

Proposed Calendar Year 1990 Annual Update to the Hanford Federal Facility Agreement and Consent Order

by
Washington State
Department of Ecology

United States
Environmental Protection Agency

United States
Department of Energy

Date Published
January 1990



PREFACE

Enclosed is the proposed Calendar Year 1990 Annual Update to the Hanford Federal Facility Agreement and Consent Order. Also included are proposed changes to the Community Relations Plan for the Hanford Federal Facility Agreement and Consent Order. The December 1989 edition of the "Hanford Update" (mailed December 11, 1989) stated that proposed changes to the Agreement and its Action Plan would accompany the annual update. These proposed changes are still being developed. It is anticipated that they will be issued for public comment within two to three months. Following public comment, the Agreement will be revised to include the changes.

A summary of the revisions to the work schedule and other Action Plan appendices is provided as part of the annual update. There are no significant changes to the milestones at this time. Interim milestones and target dates have been added in support of the major milestones, such as actions associated with RCRA interim status compliance schedules (Milestone M-23-00) and groundwater monitoring well installations for CY 1991 (Milestone M-24-00).

There are discussions ongoing between the parties which could result in other milestone changes. For example, new facilities to store and treat the liquid effluent from the 242-A Evaporator may be required prior to the evaporator resuming operation. The evaporator is critical to the cleanup of Hanford. These new facilities would replace other facilities currently included in the Agreement. Other activities, as agreed to by the parties, may have to be deferred in order to provide the needed resources, if additional resources are not made available.

The public will be kept informed of the status of Agreement and Action Plan changes (including milestone changes) through the Quarterly Progress Report and the Quarterly Public Information Meetings.

CALENDAR YEAR 1990 ANNUAL UPDATE

TO THE

HANFORD FEDERAL FACILITY AGREEMENT

AND CONSENT ORDER

Approved for Implementation:

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US Environmental Protection Agency

Date

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Date

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PROPOSED

INTRODUCTION

This document is being issued as a supplement to the Hanford Federal Facility Agreement and Consent Order (hereafter referred to as "the Agreement") Action Plan. Section 11.3 of the Action Plan establishes the requirement for an annual update to the Work Schedule which is contained as Appendix D to the Action Plan. In addition, it is the intent of the Parties to maintain Appendices B (Listing of Treatment, Storage, and Disposal Groups/Units), C (Prioritized Listing of Operable Units), and E (Key Individuals) up-to-date through the annual update process. Therefore this supplement contains Appendices B, C, D, and E to the Agreement Action Plan.

This supplement supersedes Appendices B, C, D, and E currently contained in the May 1989 version of the Agreement. The next issue of the main Agreement document will not include these appendices, as they will be reissued annually through use of this supplement. This supplement is considered part of the Agreement Action Plan, and therefore the Agreement.

PROPOSED

SUMMARY OF CHANGES

The following summarizes the changes which were made to Appendices B, C, D, and E as part of the Calendar Year 1990 annual update:

Appendix B- Listing of Treatment, Storage, and Disposal Groups/Units

1. Deleted TSD Group S-2-6, 2727-WA SRE Sodium Storage Building, and TSD Group S-3-3, 332 Storage Facility. These facilities were proposed along with three other TSD Groups for withdrawal of Part A permit applications in accomplishment of Milestone M-20-45. Ecology approved the withdrawal of these two facilities, but requested additional information on the remaining three.
2. Added three additional units to TSD Group TS-2-3, B Plant, based on submittal of a revised Part A Permit Application.
3. Corrected the "Planned Action" for TSD Group TS-3-1, 300 Area Waste Acid System, from "Operating Permit" to "Closure", consistent with milestone M-20-10.
4. Revised "Planned Action" for TSD Group S-3-1, 303-K Contaminated Waste Storage Facility, from "Operating Permit" to "Closure". The plan is to "Clean Close" the facility in accordance with the Agreement, and then reuse the facility as a "Less than 90 Days Storage Facility".

Appendix C- Prioritized Listing of Operable Units

1. Incorporated approved change package transferring the 241-TX-302B Catch Tank from operable unit 200-TP-5 to operable unit 200-TP-2.
2. Added 241-CX-71 Storage Tank to operable unit 200-SO-1.
3. Revised priority of Operable Unit 100-FR-1 from 9 to 10, and priority of Operable Unit 100-NR-3 from 10 to 9. This was done to allow 100-NR-3 to be investigated concurrently with an adjacent Operable Unit, 100-NR-1, which is priority 8.

Appendix D- Work Schedule

In accordance with Section 11.3 of the Agreement Action Plan, the Work Schedule has been updated to reflect an additional year (Calendar Year 1996) and has been expanded to show additional target dates in the current year (1990) and the next year (1991). Milestone changes which have been processed and approved in accordance with Section 12.0 of the Action Plan have been incorporated. Outyear target dates have been adjusted based on current plans. The following discusses the significant changes which have been made:

PROPOSED

1. M-01-05 and M-02-02-- Incorporated approved change package which corrected the term "Bi-Annually" to "Biennially". It was always the intent of the parties that these milestones be complied with once every two years.
2. M-12-00-- Deleted all activities following approval of Work Plans. Characterization and remediation activities are now shown under M-15-00 and M-16-00 respectively.
3. M-12-03-- The review and approval cycle for the 300-FF-1 operable unit Work Plan has been extended 4-1/2 months in order to coincide with the review and approval of the 300-FF-5 groundwater operable unit. This is consistent with the need to coordinate groundwater operable units with the initial source operable unit Work Plans. For example, 100-HR-1 and 100-HR-3 are scheduled concurrently.
4. M-12-05 and M-12-06-- The review and approval cycle for the 100-HR-1 and 100-HR-3 operable unit Work Plans has been extended 3 months to allow additional time to ensure that the requirements of both RCRA and CERCLA are satisfied. These are the first operable units being investigated under RCRA Corrective Action authority. CERCLA guidance was used in preparing the Work Plans.
5. M-12-07-- The review of the 100-DR-1 operable unit Work Plan has been deferred until questions associated with the 100-HR-1 and 100-HR-3 Work Plans have been addressed. See Item #4 above. The overall delay in approval is 5-1/2 months.
6. M-12-13 and M-12-14-- Consistent with the change in priorities for Operable Units 100-FR-1 and 100-NR-3, and the approved change package; 1) changed Work Plan submittal date for 100-FR-1 from Feb. 1991 to April 1991, and 2) changed Work Plan submittal date for 100-NR-3 from April 1991 to Dec. 1990.
7. M-15-01-- Schedule for 1100-EM-1 operable unit investigation revised based on approved change which incorporated the schedule contained in the approved Work Plan.
8. M-17-00-- Significant changes have been made to target dates to better reflect the actual plan. This problem was pointed out in previously issued Quarterly Progress Reports. No milestones have been changed.
9. M-23-00-- Twenty interim milestones have been added based on an approved change package. This is the result of completing milestone M-22-00, which requires that enforceable compliance schedules be established. In addition, numerous target dates have been incorporated reflecting specific actions leading towards completion of the milestones. Incorporation of these Interim Milestones and target dates replaces Table D-4 which has been deleted from appendix D.

PROPOSED

10. M-24-00-- Location and number of groundwater wells for CY 1991 have been included as Interim Milestones based on an approved change package.

Appendix E- Key Individuals

1. Steve Wisness has replaced Roger Freeberg as the DOE Project Manger.
2. Grechen Schmidt has replaced Claire Rowlett as the EPA Community Relations Contact.

12/15/89 DRAFT

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER
ACTION PLAN WORK SCHEDULE

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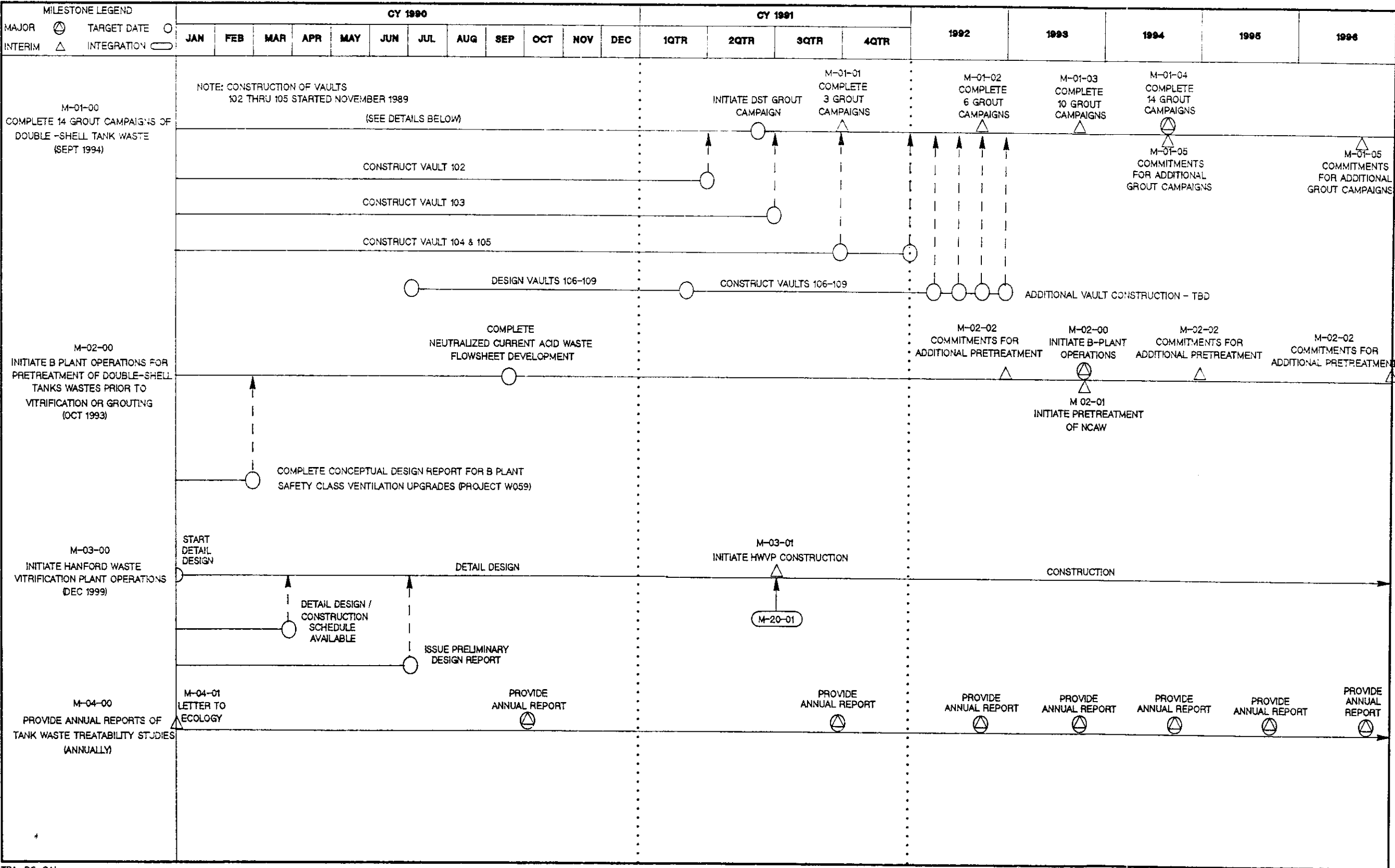
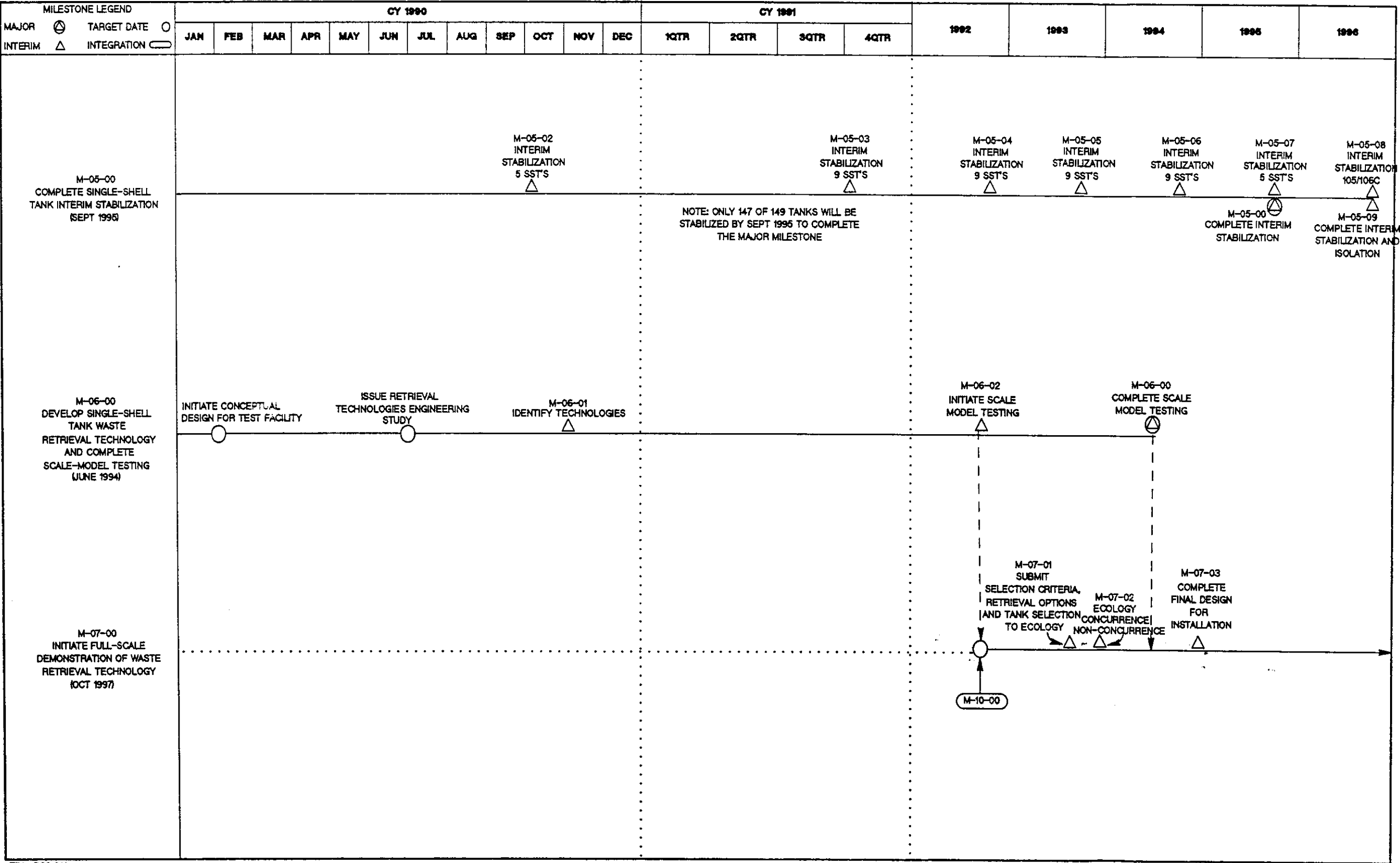


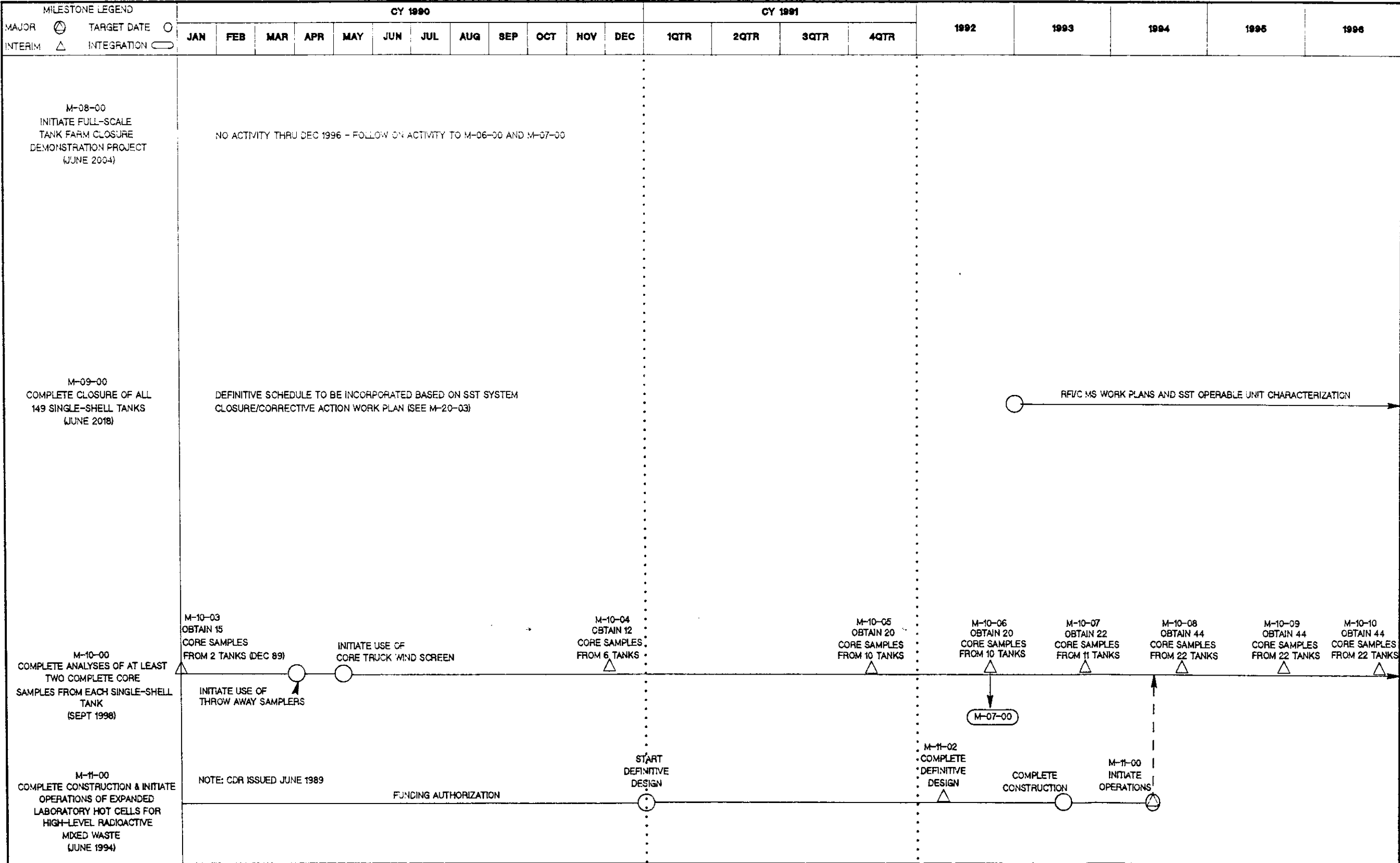
FIGURE D-1 WORK SCHEDULE

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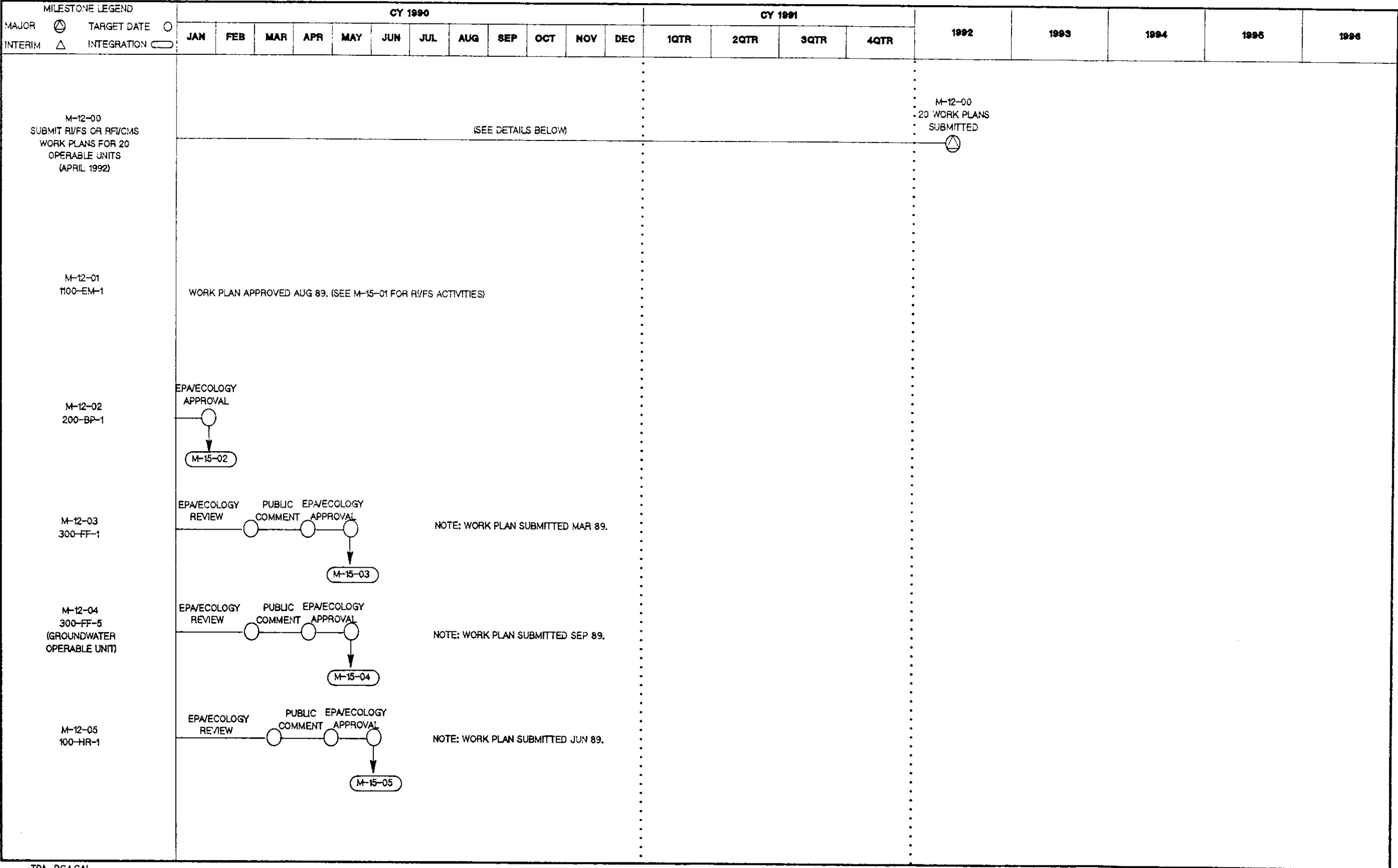
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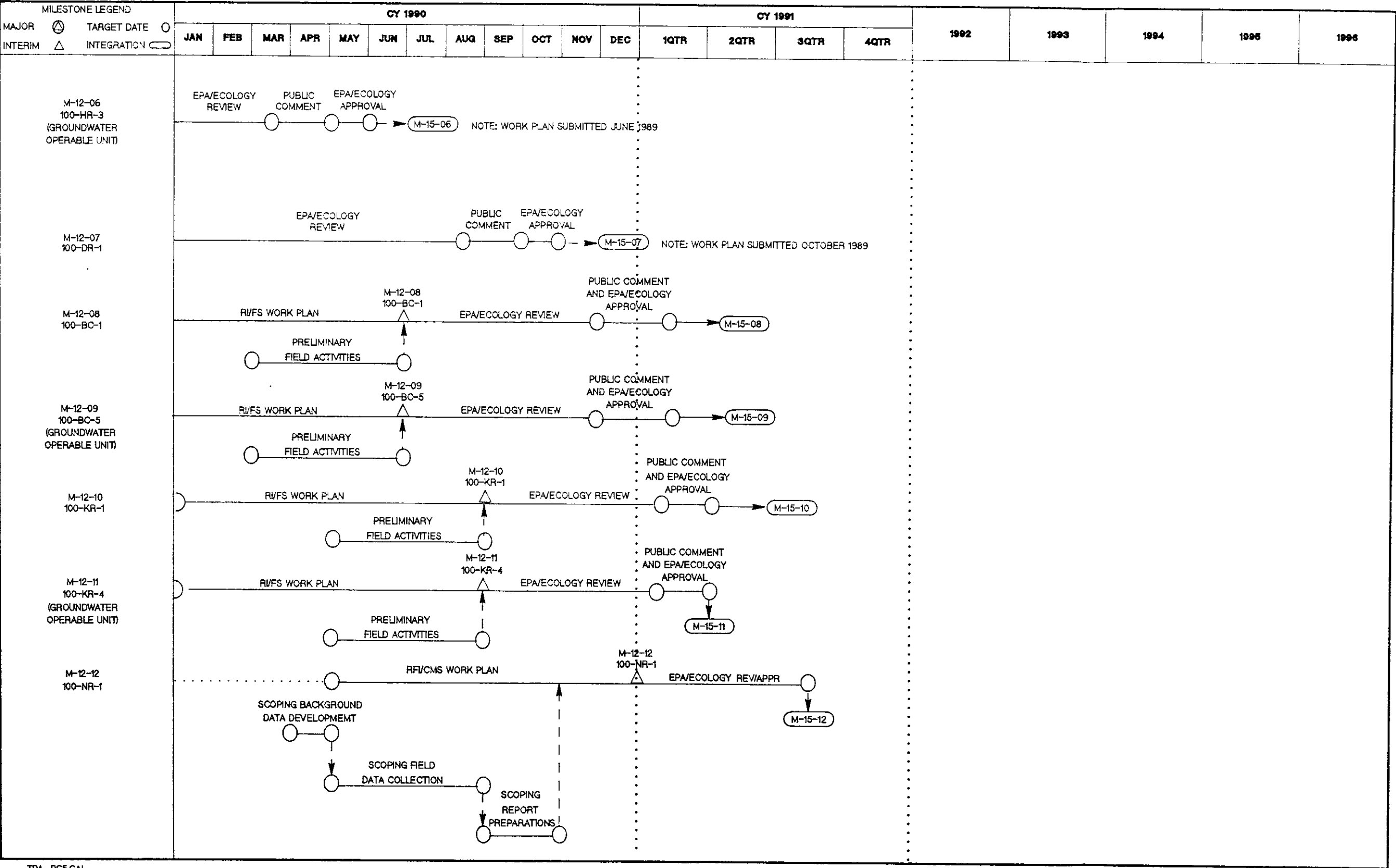
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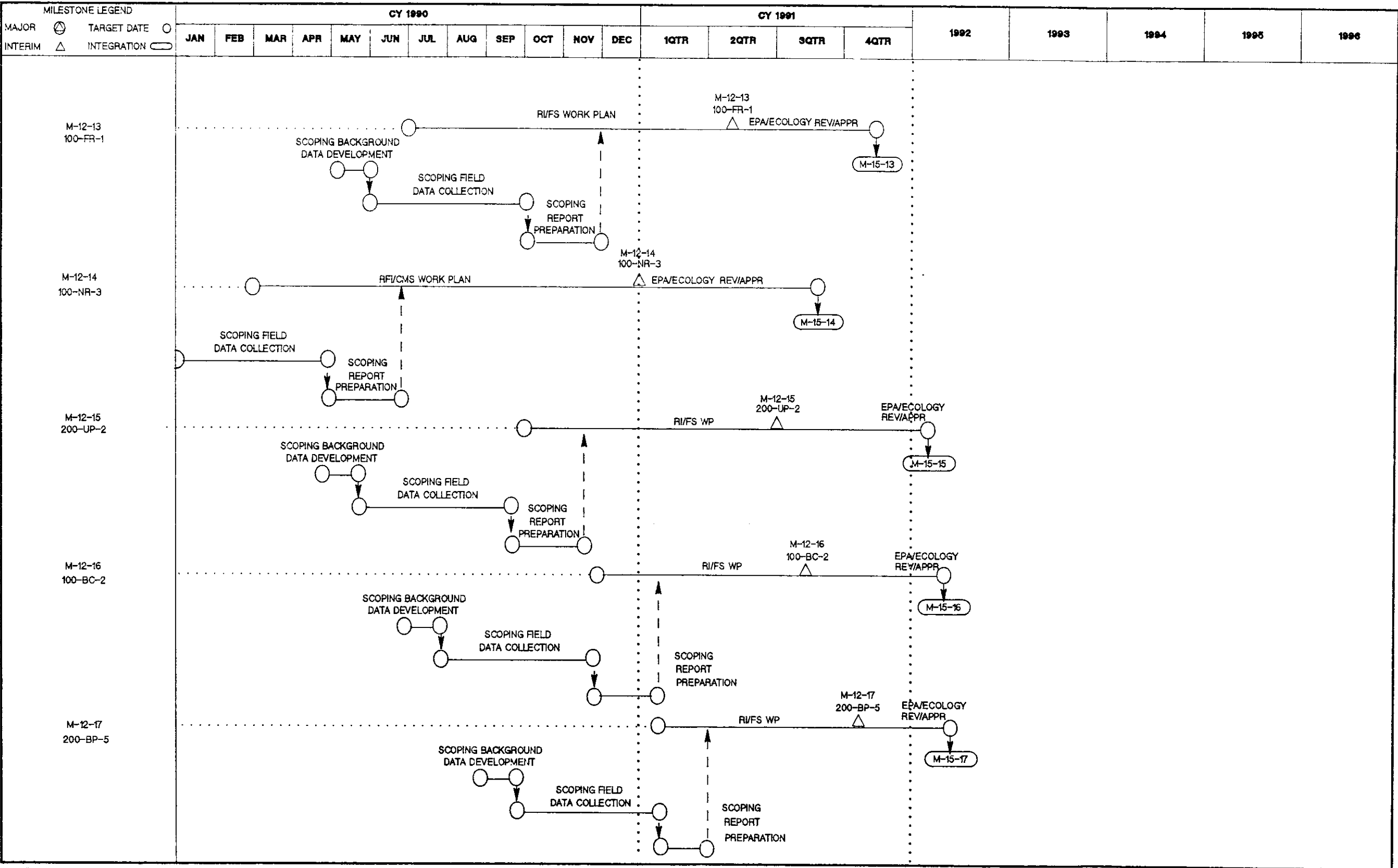
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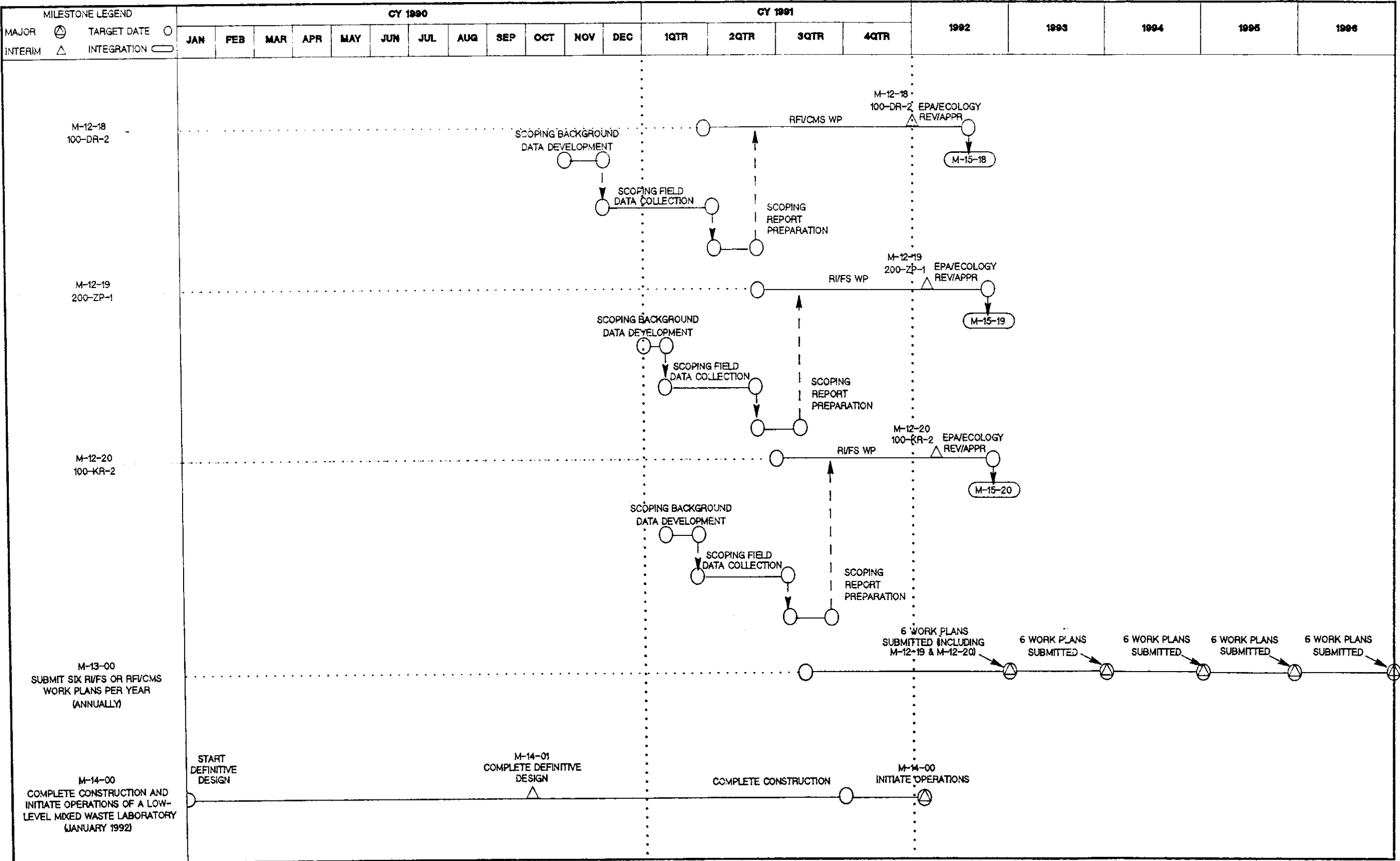
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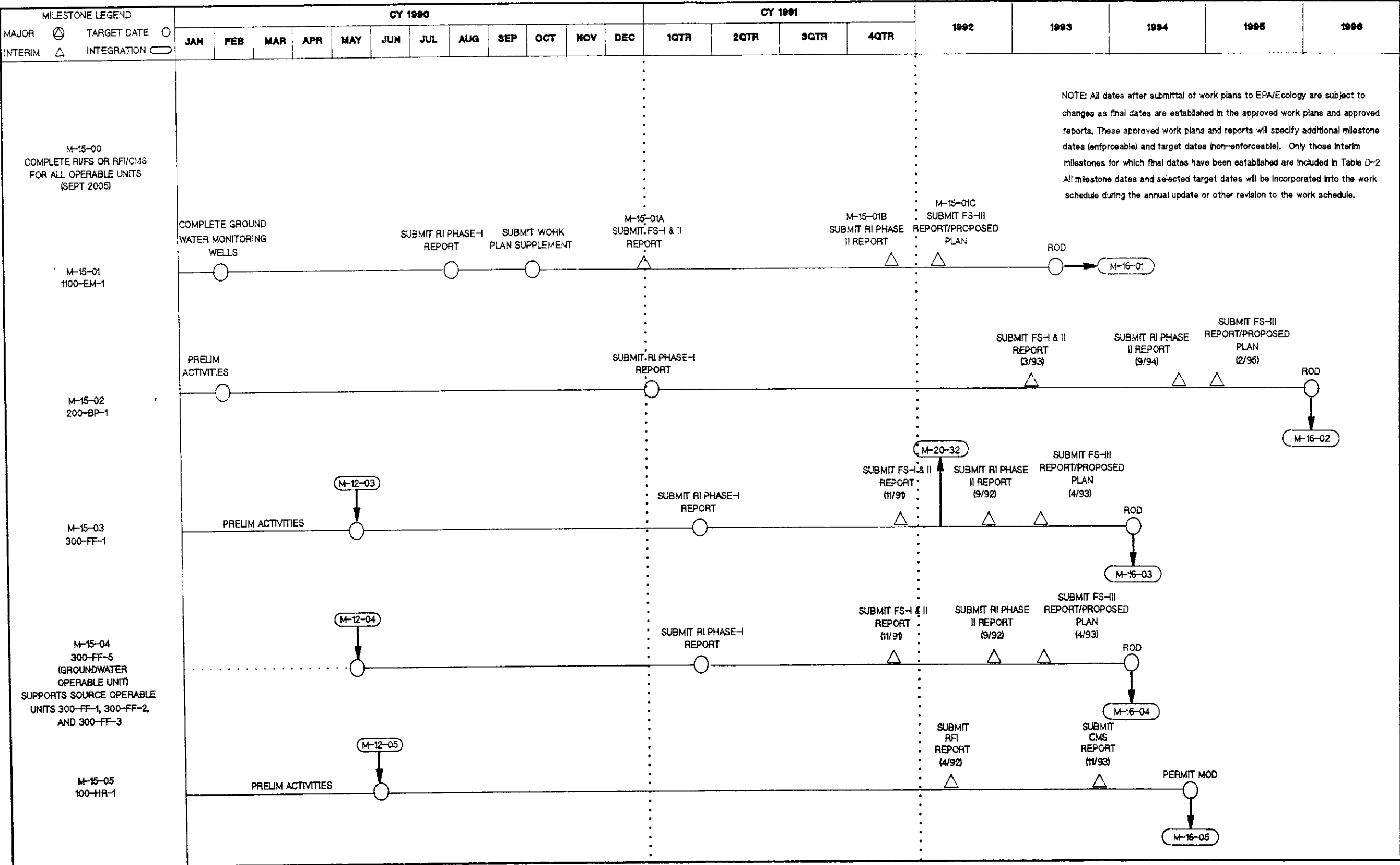
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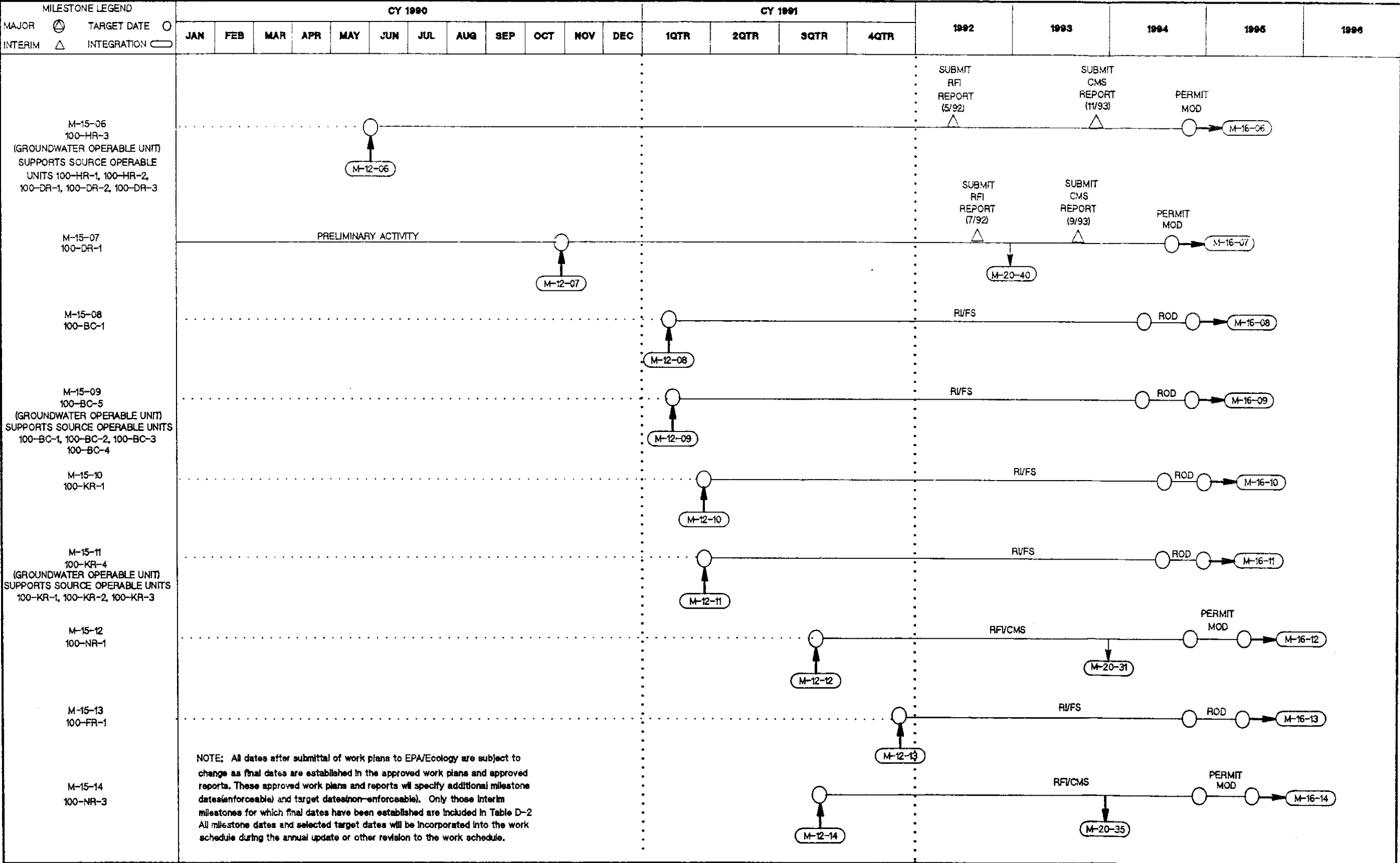
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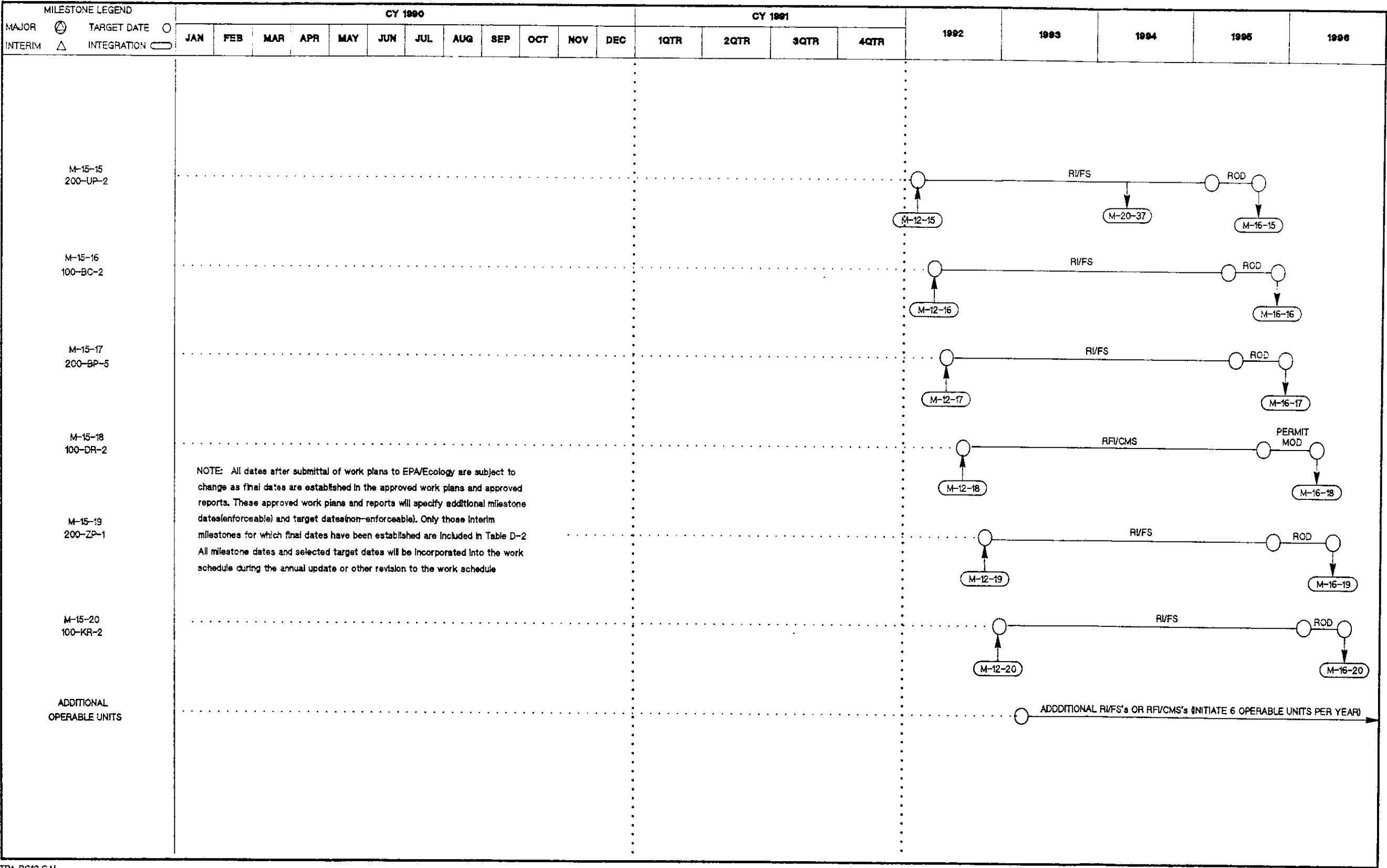
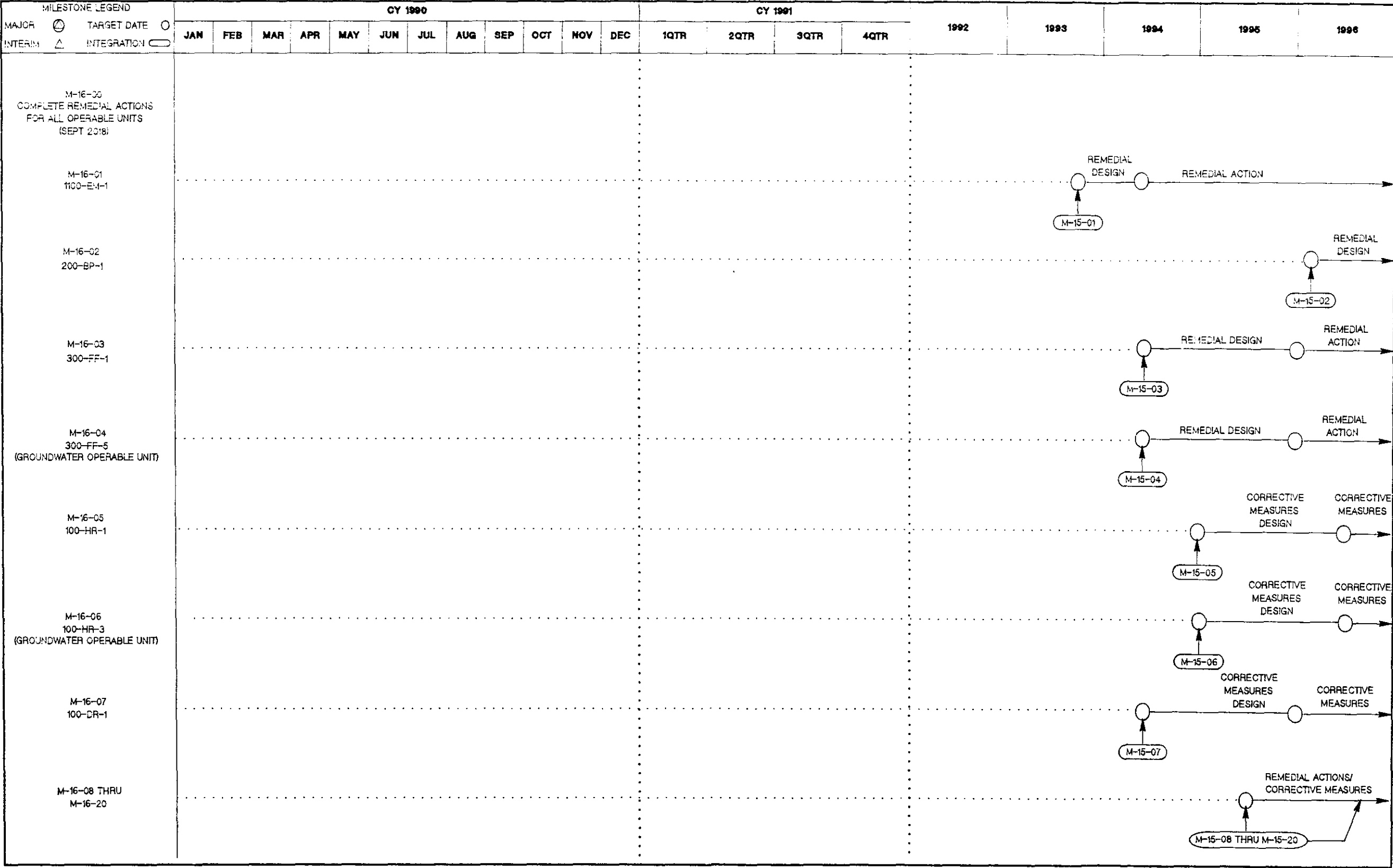


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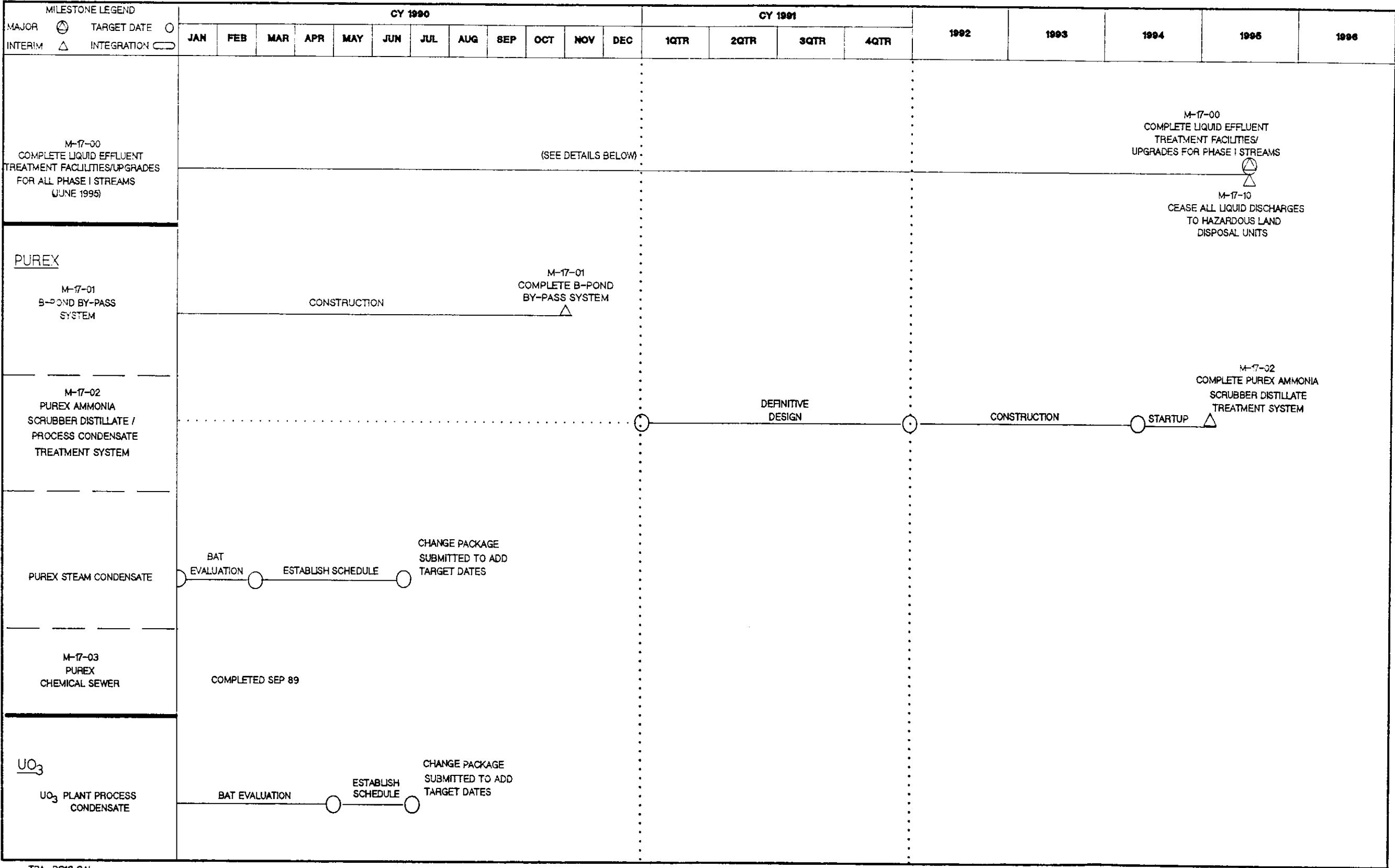
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ACTION PLAN WORK SCHEDULE



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FIGURE D-1 WORK SCHEDULE

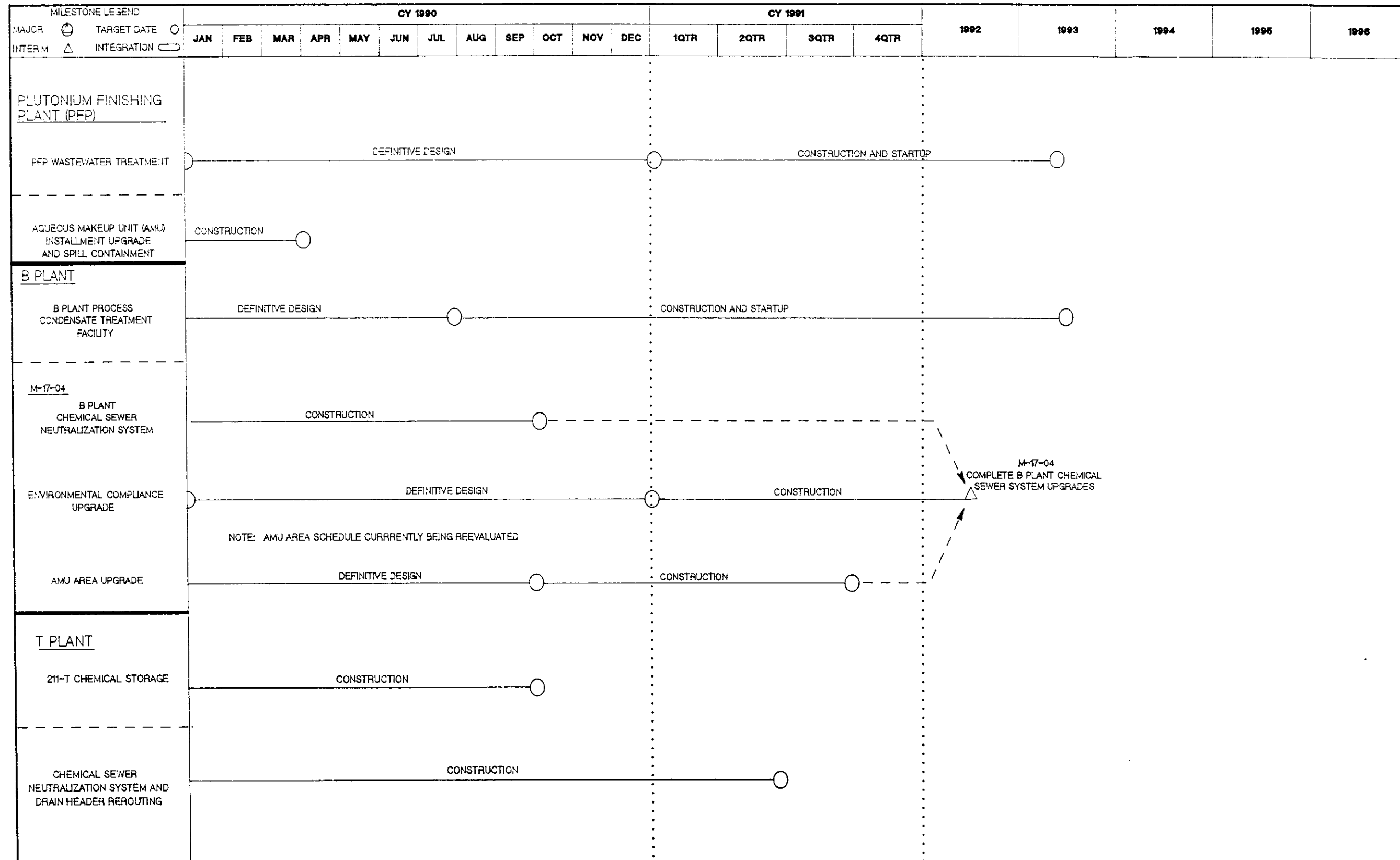
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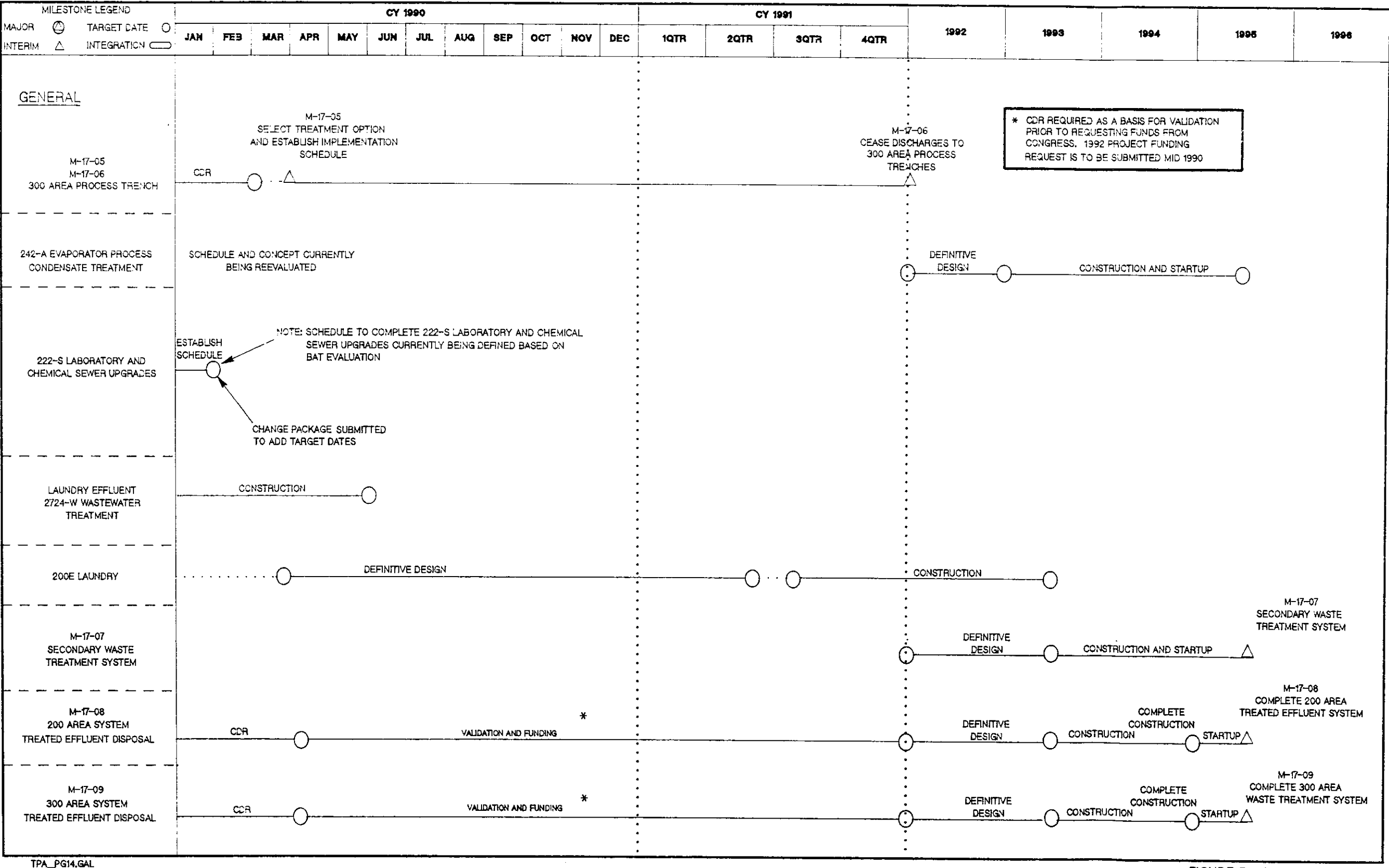
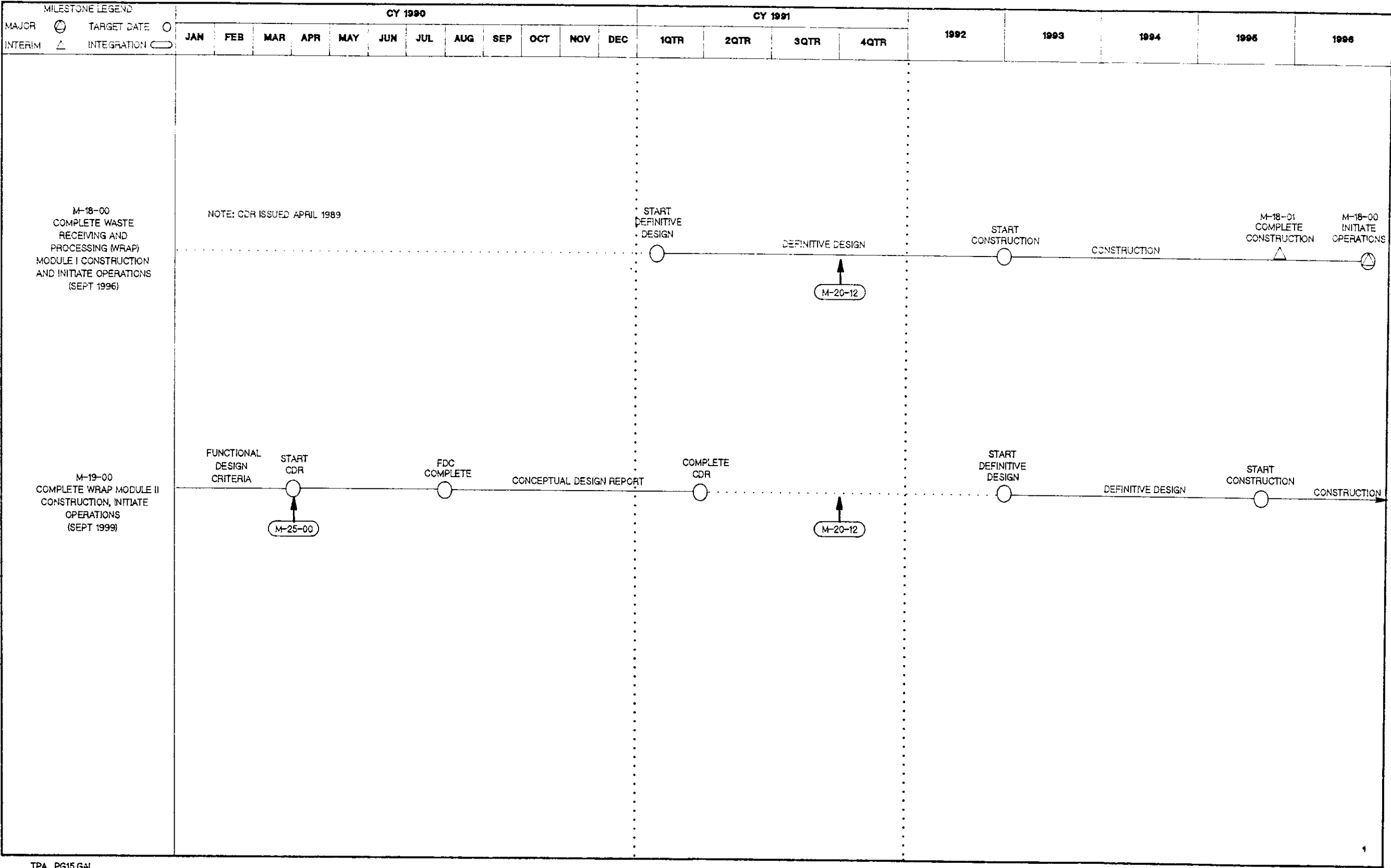


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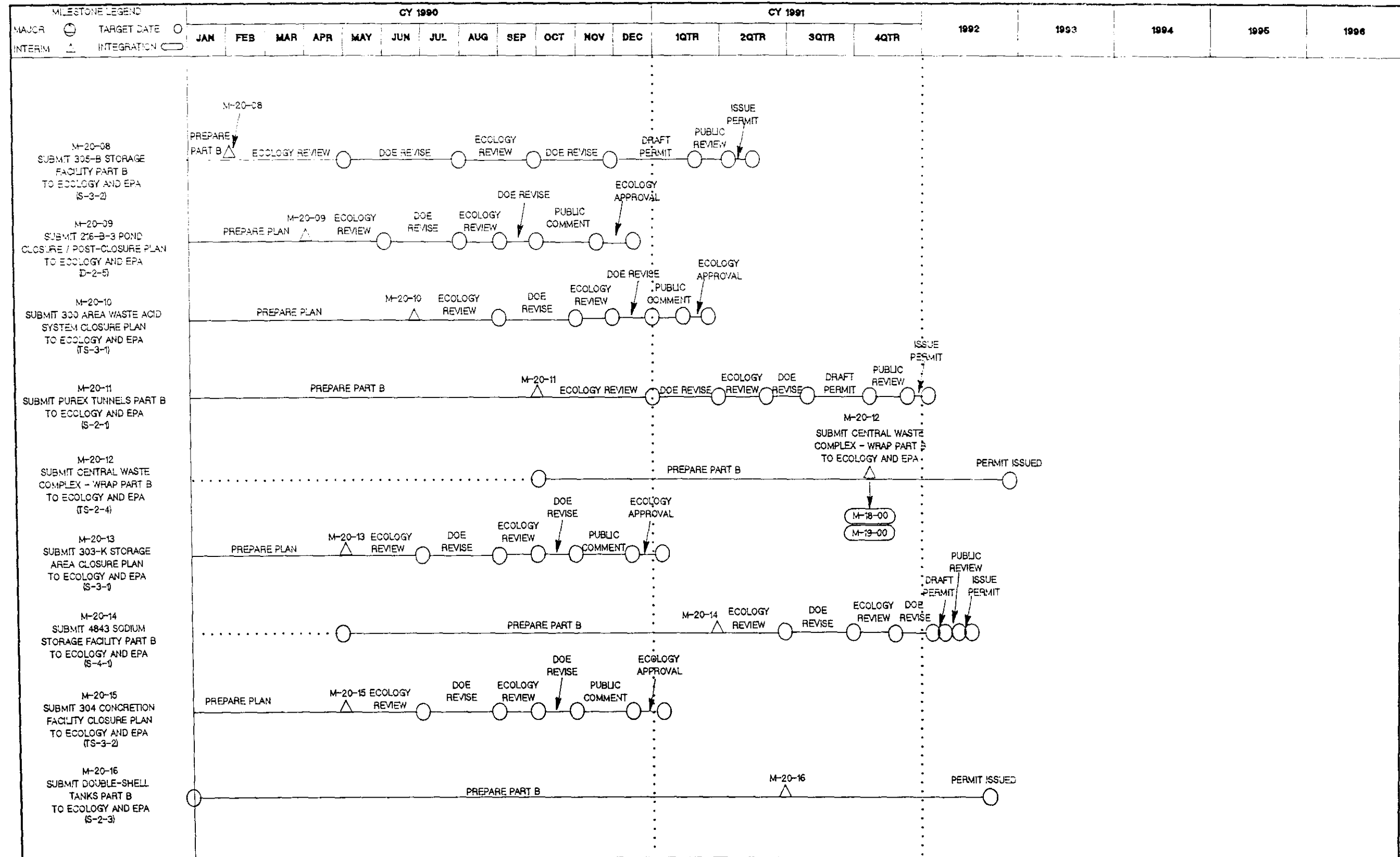
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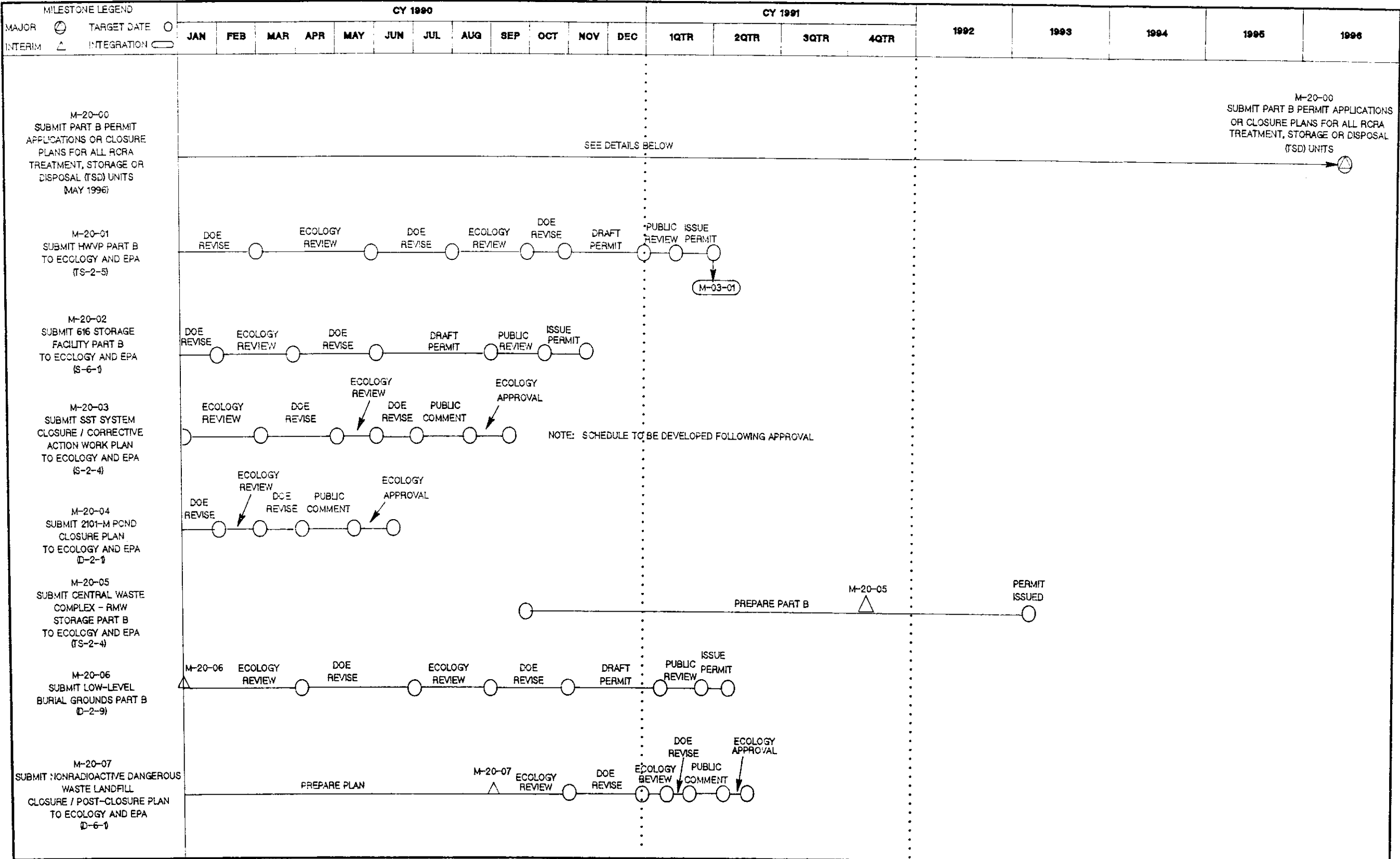
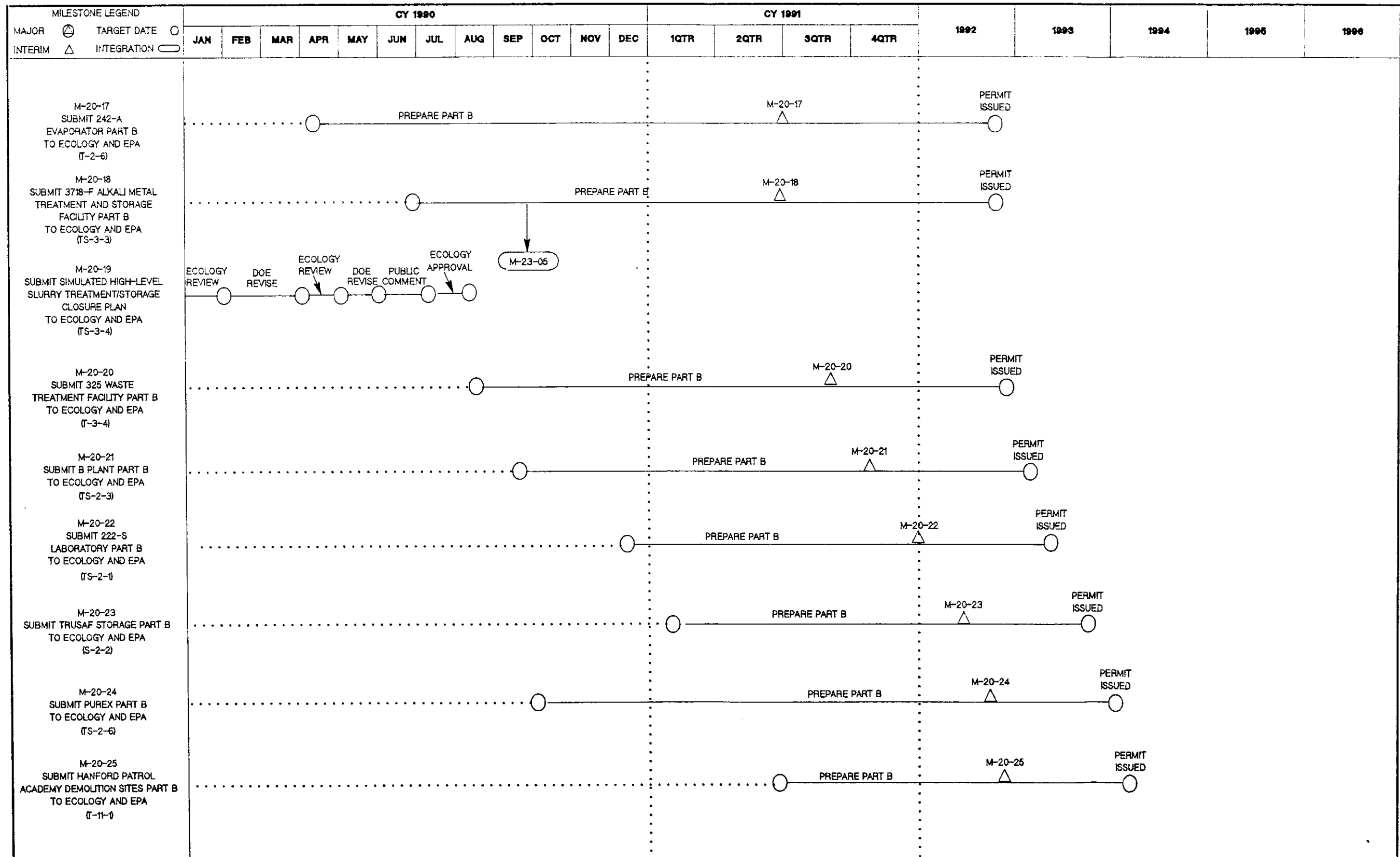


FIGURE D-1 WORK SCHEDULE

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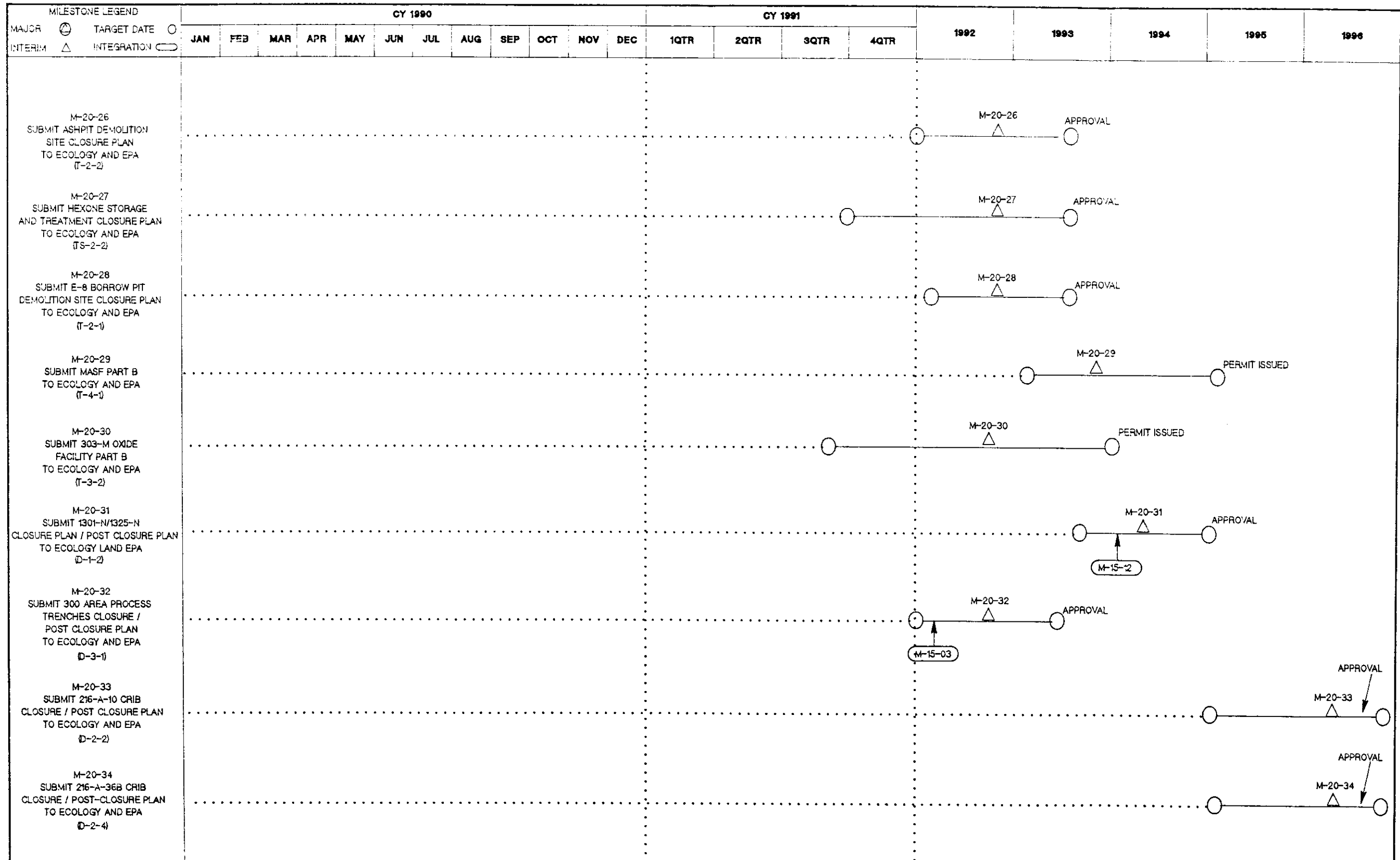
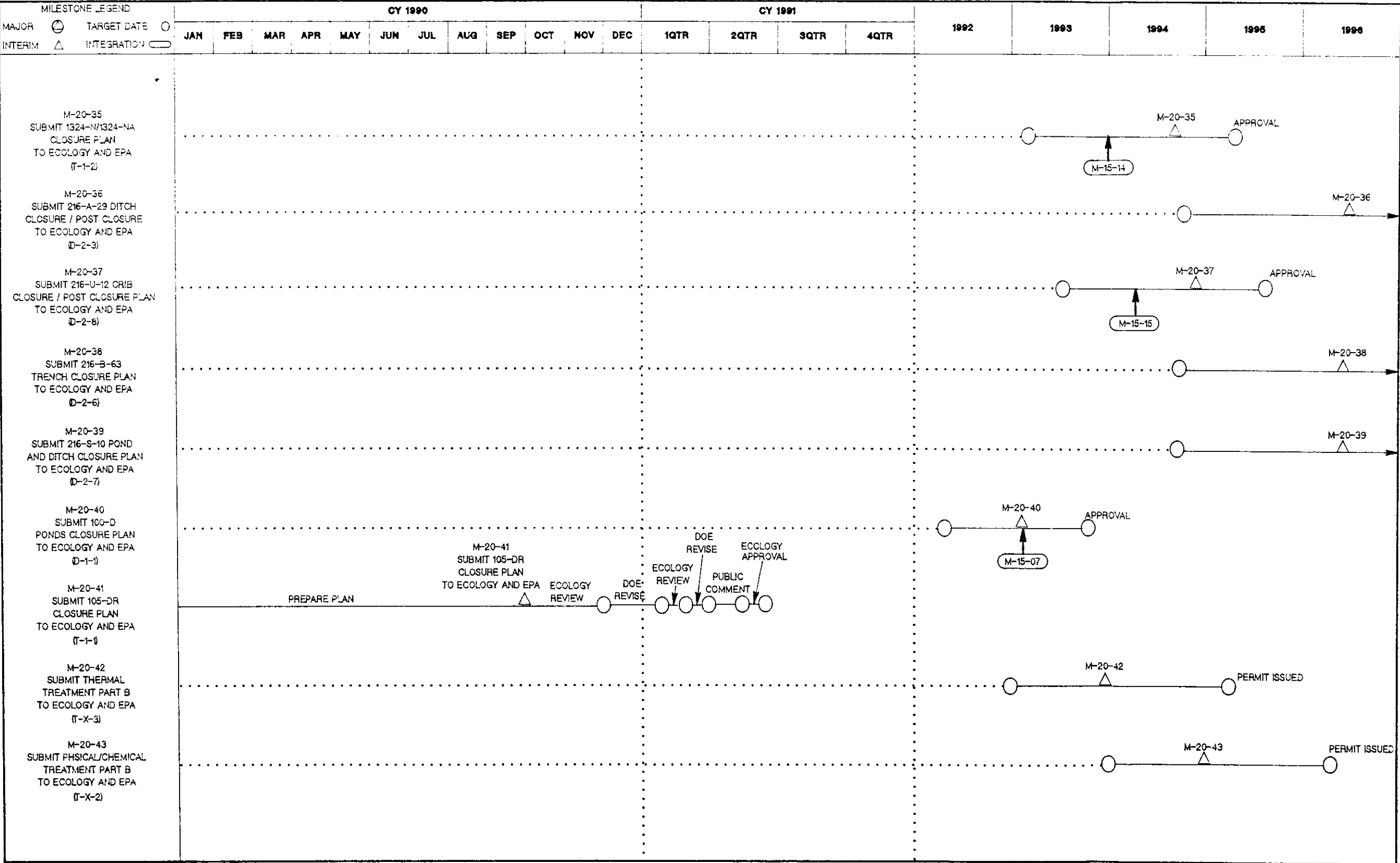


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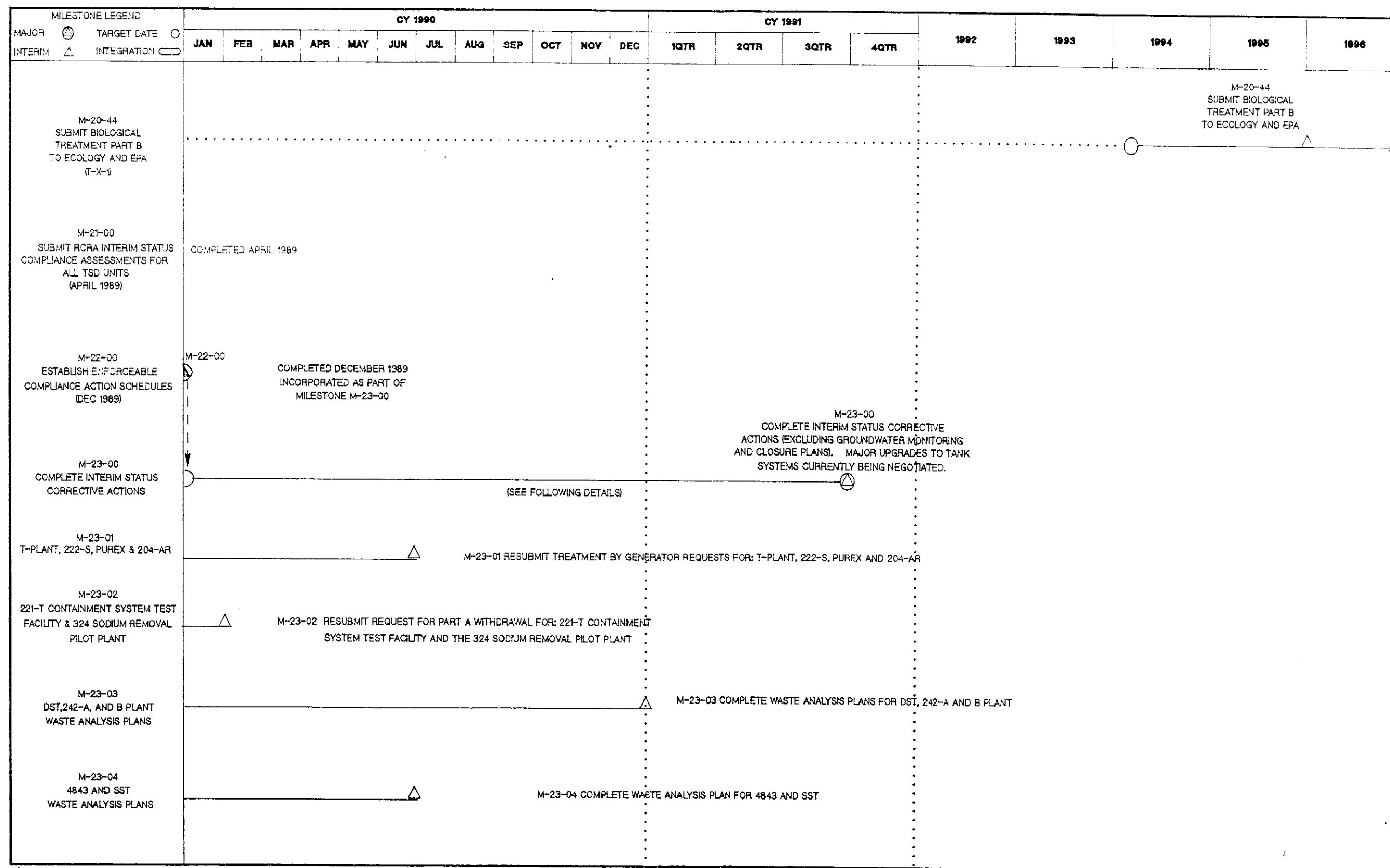
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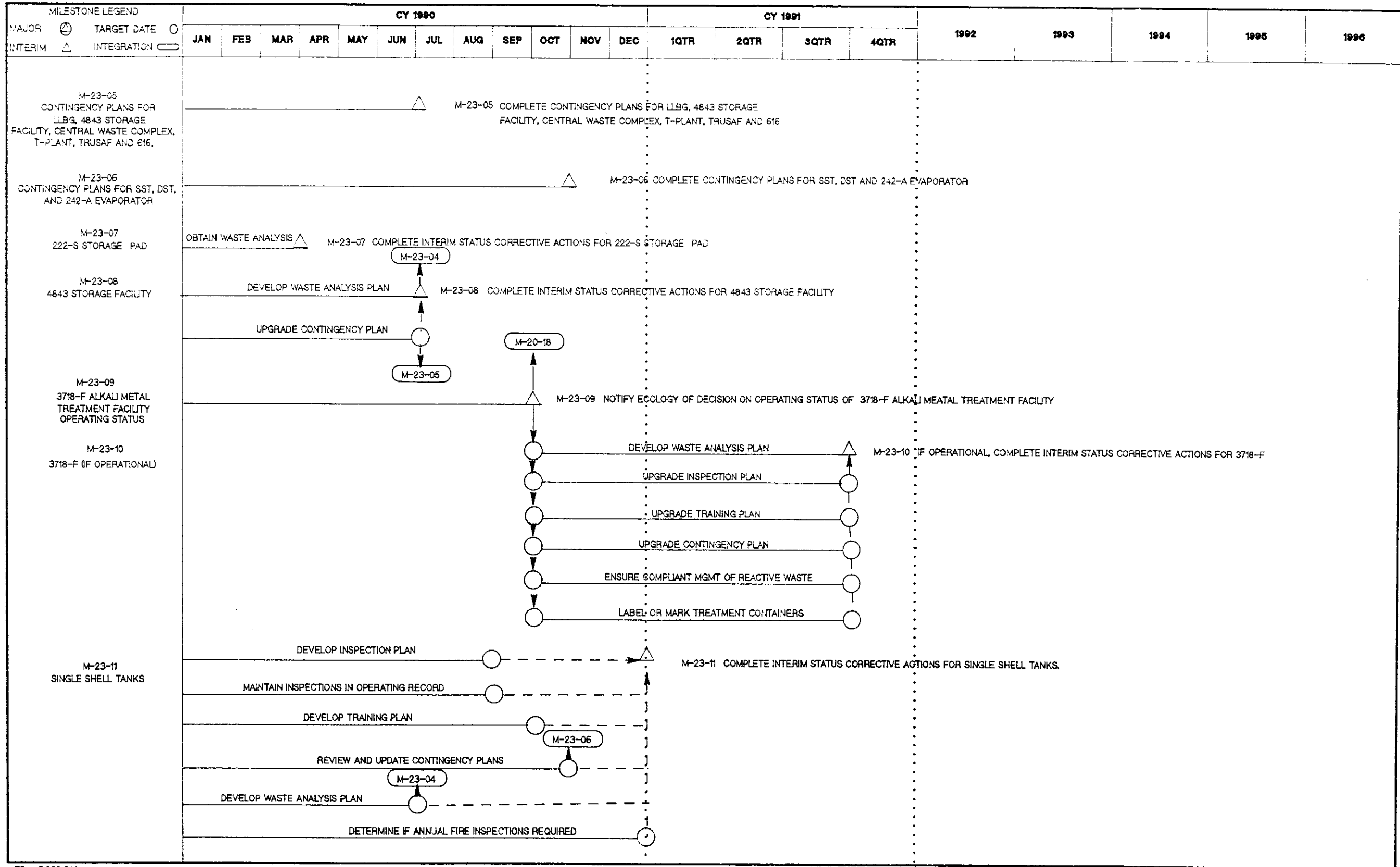


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FIGURE D-1 WORK SCHEDULE

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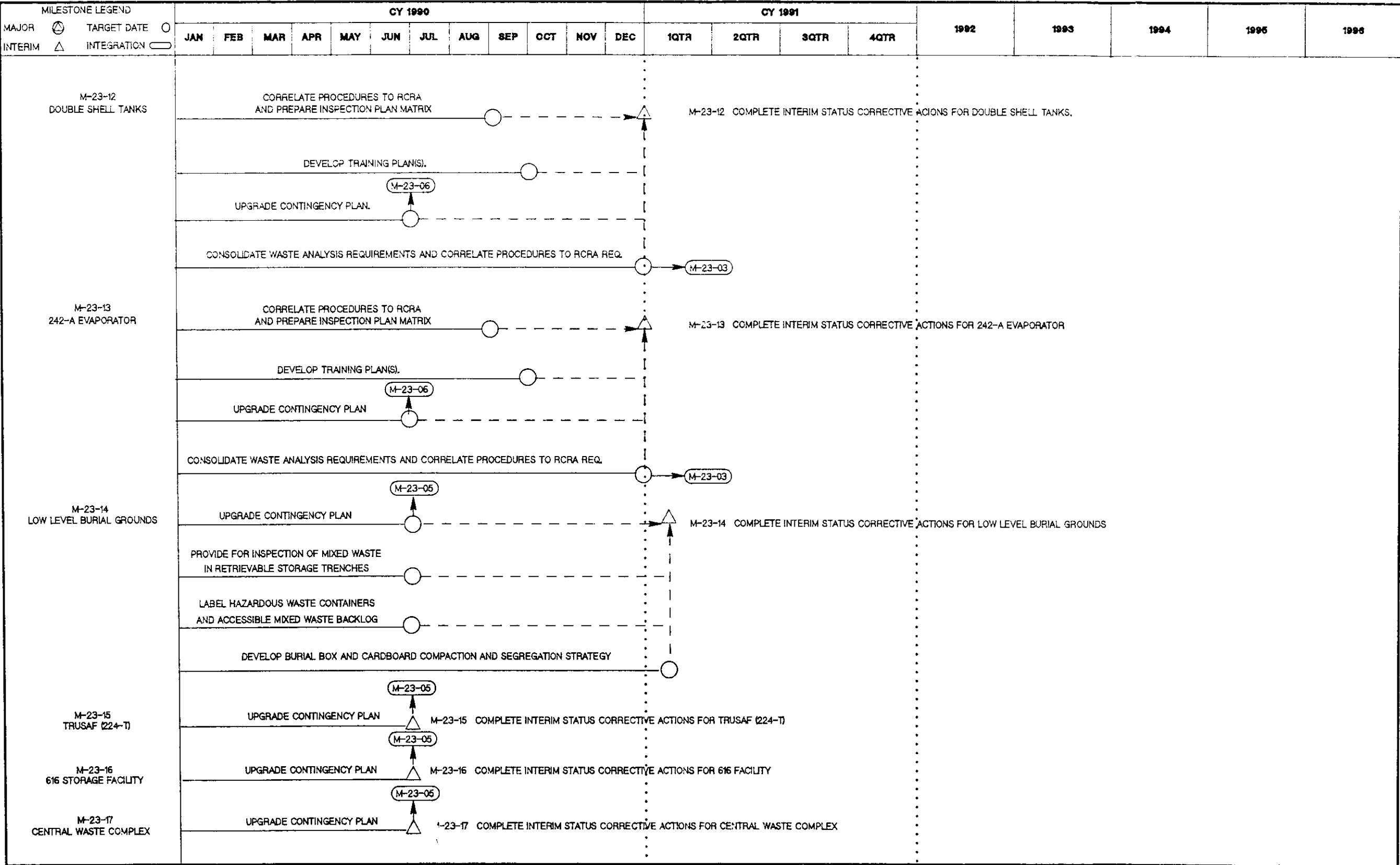


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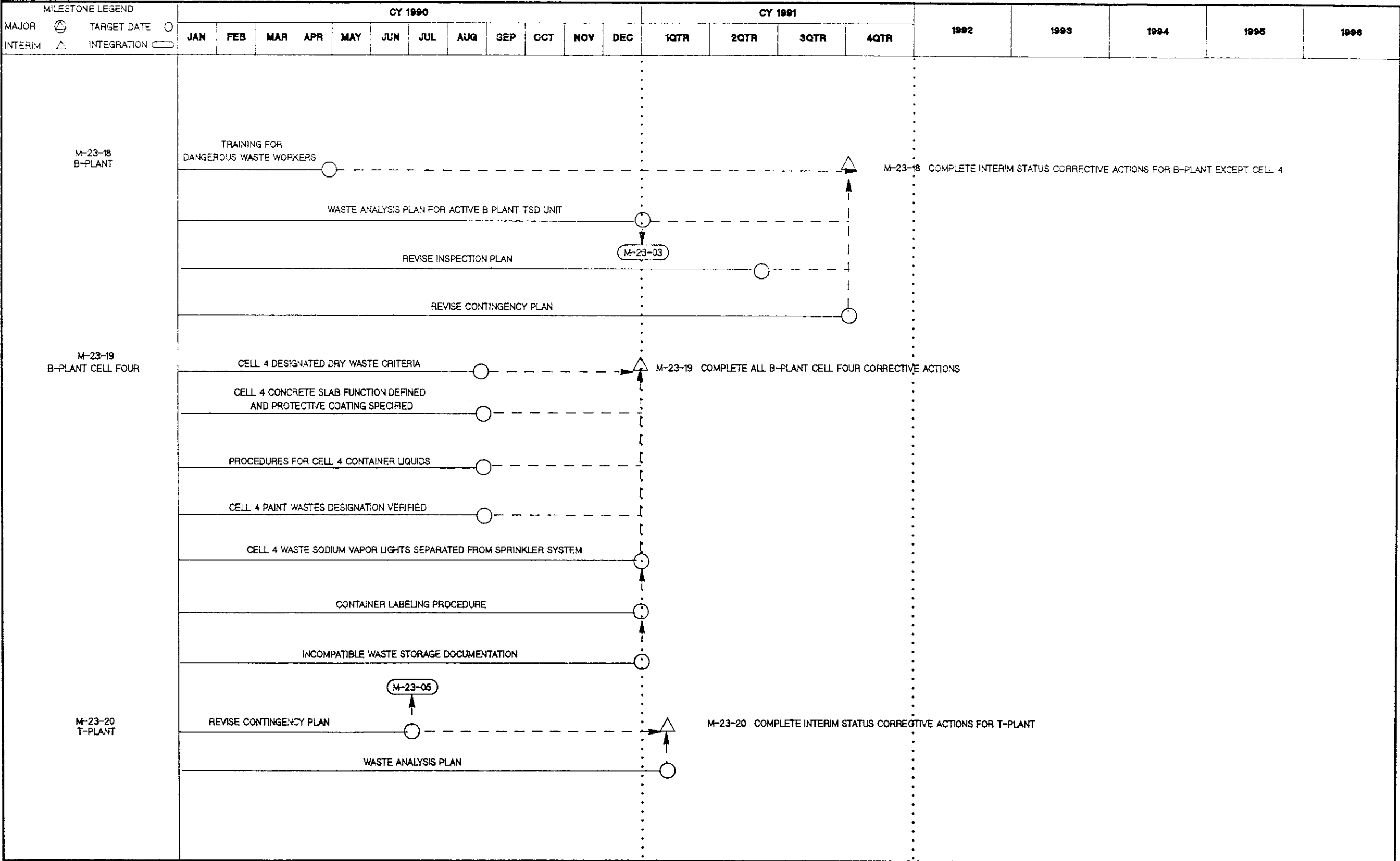
FIGURE D-1 WORK SCHEDULE

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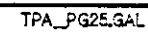


FIGURE D-1 WORK SCHEDULE

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 1 of 11)

Treatment, Storage, and Disposal			Planned Action	
Group Number	Group/Units	Operable Unit (if applicable)	Closure*	Operating Permit
D-1-1	100-D Ponds (120-D-1)	100-DR-1	X	
T-1-1	105-DR (122-DR-1) Sodium Fire Facility		X	
D-1-2	1301-N/1325-N Liquid Waste Disposal Facilities	100-NR-1	X	
	116-N-1 Crib			
	116-N-3 Crib			
T-1-2	1324-N/1324-NA Liquid Waste Facilities	100-NR-3	X	
	120-N-1 Pond			
	120-N-2 Neutralization Unit			
T-1-3**	1706-KE Treatment Facility (116-KE6 A-D):		X	
	1706-KE Waste Accumulation Tank			
	1706-KE Ion Exchange Column			
	1706-KE Solidification Unit (Evaporator)			
	1706-KE Condensate Tank			
T-1-4	183-H Solar Evaporation Basins (116-H-6)	100-HR-1	X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 2 of 11)

<u>Treatment, Storage, and Disposal</u>		Operable Unit (if applicable)	<u>Planned Action</u>	
Group Number	Group/Units		Closure*	Operating Permit
T-2-1	200-E8 Borrow Pit Demolition Site		X	
T-2-2	200-W Ashpit Demolition Site		X	
T-2-3***	204-AR Waste Unloading Station			Treatment
D-2-1	2101-M Pond		X	
D-2-2	216-A-10 Crib	200-P0-2	X	
D-2-3	216-A-29 Ditch	200-P0-5	X	
D-2-4	216-A-36B Crib	200-P0-2	X	
D-2-5	216-B-3 Pond System:	200-BP-11	X	
	216-B-3 Pond			
	216-B-3A Pond			
	216-B-3B Pond			
	216-B-3C Pond			
	216-B-3-3 Ditch			

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 3 of 11)

Treatment, Storage, and Disposal		Operable Unit (if applicabe)	Planned Action	
Group Number	Group/Units		Closure*	Operating Permit
S-2-3	Double-Shell Tanks			Storage
	241-AN Farm (7 tanks)			
	241-AP Farm (8 tanks)			
	241-AW Farm (6 tanks)			
	241-AY Farm (2 tanks)			
	241-AZ Farm (2 tanks)			
	241-SY Farm (3 tanks)			
	241-EW-151 Vent Station Catch Tank			
	244-AR Vault			
	244-CR Vault			
	244-TX Receiver Tank			
	244-BX Receiver Tank			
	244-U Vault			
	244-S Receiver Tank			
	244-A Receiver Tank			
D-2-6	216-B-63 Trench	200-BP-8	X	
D-2-7	216-S-10 Pond and Ditch	200-R0-1	X	
	216-S-10D Ditch			
	216-S-10P Pond			

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 4 of 11)

<u>Treatment, Storage, and Disposal</u>		Operable Unit (if applicabe)	<u>Planned Action</u>	
Group Number	Group/Units		Closure*	Operating Permit
D-2-8	216-U-12 Crib	200-UP-2	X	
D-2-9	Low-Level Burial Grounds			
	218-E-10			Landfill
	218-E-12B			Landfill
	218-W-3A			Landfill
	218-W-3AE			Landfill
	218-W-4B			Landfill
	218-W-4C			Landfill
	218-W-5			Landfill
	218-W-6			Landfill
S-2-1	Purex Tunnels 1 and 2			Storage
	218-E-14			
	218-E-15			
T-2-4**	221-T Containment System Test Facility		X	
TS-2-1	222-S Laboratories Treatment Tanks and Storage Building			
	222-S Storage Pad			Storage
	*** 219-S Hot Waste Facility Tank 102			Treatment
	*** 219-S Hot Waste Facility Tank 103			Treatment

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 5 of 11)

Treatment, Storage, and Disposal		Operable Unit (if applicable)	Planned Action	
Group Number	Group/Units		Closure*	Operating Permit
S-2-2	224-T Transuranic Storage and Assay Facility (TRUSAF)			Storage
S-2-4	Single-Shell Tanks		X	
	241-A Farm (6 tanks)	200-PO-3		
	241-AX Farm (4 tanks)	200-PO-3		
	241-B Farm (16 tanks)	200-BP-7		
	241-BX Farm (12 tanks)	200-BP-7		
	241-BY Farm (12 tanks)	200-BP-7		
	241-C Farm (16 tanks)	200-PO-3		
	241-S Farm (12 tanks)	200-RO-4		
	241-SX Farm (15 tanks)	200-RO-4		
	1241-T Farm (16 tanks)	200-TP-6		
	241-TX Farm (18 tanks)	200-TP-5		
	241-TY Farm (6 tanks)	200-TP-5		
	241-U Farm (16 tanks)	200-UP-3		
T-2-5***	241-Z Treatment Tank (D-5)			Treatment
T-2-6	242-A Evaporator			Treatment
S-2-5	2727-S Nonradioactive Dangerous Waste Storage Facility		X	

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 6 of 11)

Treatment, Storage, and Disposal Group Number	Group/Units	Operable Unit (if applicabe)	Planned Action	
			Closure*	Operating Permit
TS-2-2	Hexone Storage and Treatment		X	
	276-S-141 Tank			
	276-S-142 Tank			
	Railcar Storage Tanks (Future)			
	Distillation System (Future)			
	Incinerator (Future)			
T-3-1	300 Area Solvent Evaporator		X	
TS-3-1	300 Area Waste Acid System		X	
	313 Building Waste Acid Neutralization Tank			
	313 Building Centrifuge			
	313 Filter Press			
	333 Building Chromium Treatment Tanks (2 tanks)			
	334-A Waste Acid Storage Tanks (3 tanks)			
	***311 Neutralized Waste Tanks (2 tanks)			

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 7 of 11)

<u>Treatment, Storage, and Disposal</u>		Operable Unit (if applicabe)	<u>Planned Action</u>	
Group Number	Group/Units		Closure*	Operating Permit
S-3-1	303-K Contaminated Waste Storage Facility		X	
T-3-2	303-M Uranium Oxide Facility			Treatment
TS-3-2	304 Concretion Facility and Storage Area		X	
	304 Concretion Facility 304 Storage Area			
S-3-2	305-B Storage Facility			Storage
D-3-1	300 Area Process Trenches (316-5)	300-FF-1	X	
T-3-3**	324 Sodium Removal Pilot Plant			Treatment
T-3-4	325 Waste Treatment Facility			Treatment

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 8 of 11)

Treatment, Storage, and Disposal		Operable Unit (if applicable)	Planned Action	
Group Number	Group/Units		Closure*	Operating Permit
TS-3-3	3718-F Alkali Metal Treatment and Storage Facility			
	3718-F Burn Shed			Treatment
	3718-F Treatment Tank #1			Treatment
	3718-F Treatment Tank #2			Treatment
	3718-F Alkali Metal Treatment Facility Storage			Storage
T-4-1	400 Area Maintenance and Storage Facility (MASF)			Treatment
S-4-1	4843 FFTF Sodium Storage Facility			Storage
D-6-1	600 Area Nonradioactive Dangerous Waste Landfill	200-IU-3	X	
S-6-1	616 Nonradioactive Dangerous Waste Storage Facility			Storage
TS-2-3	B Plant			
	B Plant Waste Concentrator			Treatment
	B Plant Settle and Decant Tank			Treatment
	B Plant Filter			Treatment
	B Plant Radioactive Organic Waste Solvent Tank #1			Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 9 of 11)

Treatment, Storage, and Disposal		Operable Unit (if applicable)	Planned Action	
Group Number	Group/Units		Closure*	Operating Permit
	B Plant Radioactive Organic Waste Solvent Tank #2			Storage
	B Plant Radioactive Organic Waste Solvent Tank #3			Storage
	B Plant Radioactive Organic Waste Solvent Tank #4			Storage
	B Plant Radioactive Organic Waste Solvent Tank #5			Storage
	B Plant Radioactive Organic Waste Solvent Tank #6			Storage
	B Plant Radioactive Organic Waste Solvent Tank #7			Storage
	B Plant Storage Area			Storage
	B Plant Waste Piles			Storage
T-X-1	Biological Treatment Test Facilities			Treatment
TD-2-1	Grout			
	Grout Treatment Facility			Treatment
	Grout Treatment Facility Landfill			Treatment/Landfill
TS-2-4	Hanford Central Waste Complex			
	Waste Receiving and Processing (WRAP) Facility (Future)			Treatment
	Radioactive Mixed Waste Storage Facility			Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 10 of 11)

Treatment, Storage, and Disposal		Operable Unit (if applicable)	Planned Action	
Group Number	Group/Units		Closure*	Operating Permit
TS-2-5	Hanford Waste Vitrification Plant (HWVP) (Future)			Treatment/Storage
T-X-2	Physical and Chemical Treatment Test Facilities			Treatment
TS-2-6	Purex			
	*** Neutralization Tank E-5			Treatment
	*** E-F11 Concentrator			Treatment
	*** Neutralization Tank G-7			Treatment
	Ammonia Distillate Treatment System (Future Tank)			Treatment
	*** Neutralization Tank F-18			Treatment
	*** Neutralization Tank F-15			Treatment
	*** Neutralization Tank F-16			Treatment
	*** Neutralization Tank U3			Treatment
	*** Neutralization Tank U4			Treatment
	Purex Waste Piles			Storage
TS-3-4	Simulated High-Level Waste Slurry Treatment and Storage		X (or)	Treatment/Storage

APPENDIX B

Listing of Treatment, Storage, and Disposal Groups/Units. (sheet 11 of 11)

<u>Treatment, Storage, and Disposal</u>		Operable Unit (if applicable)	<u>Planned Action</u>	
Group Number	Group/Units		Closure*	Operating Permit
T-2-7***	T Plant Treatment Tank			Treatment
T-X-3	Thermal Treatment Test Facilities			Treatment
T-11-1	1100 Area Hanford Patrol Academy Demolition Area			Treatment

- * Post-Closure Permit required if closed as a land disposal unit in accordance with Subsection 6.3.3.
 ** Part A permit application may be withdrawn because unit(s) never handled or never will handle hazardous waste.
 *** Part A permit application may be withdrawn due to reclassification of unit(s) as treatment by generator.

APPENDIX C

Prioritized Listing of Operable Units. (sheet 1 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
1	1100-EM-1	1100-1 1100-2 1100-3 Horn Rapids Disposal 1100-4 UN-1100-5 UN-1100-6	Acid Pit Solvent Pit Antifreeze Pit Landfill Antifreeze Tank Spill Spill	EPA	CPP CPP CPP CPP CPP CPP CPP
2	300-FF-1 (GW addressed by 300-FF-5)	300 Ash Pits 300 Filter Backwash Pond 300 Retired Filter Backwash 300 Retired RLWS* 300 Area RLWS* and 340 complex 300 Area sanitary sewer system 307 316-1 316-2 316-3 316-5 (300 Area Process Trenches) 618-12 618-4 618-5 UN-300-1 UN-300-11 UN-300-14 UN-300-2 UN-300-41	Pit Pond Pond Sewer Sewer Sewer Retention Basin Pond Pond Trench Trench Burial Ground Burial Ground Burial Ground Spill Spill Spill Spill Spill	EPA	CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP TSD (D-3-1) CPP CPP CPP CPP CPP CPP CPP CPP
2A	300-FF-5 (GW Operable Unit [O.U.])	300-FF-1 300-FF-2 300-FF-3	Source O.U. Source O.U. Source O.U.	EPA	CPP CPP CPP
3	200-BP-1	216-B-43 216-B-44 216-B-45 216-B-46 216-B-47 216-B-48 216-B-49	Crib Crib Crib Crib Crib Crib Crib	EPA	CPP CPP CPP CPP CPP CPP CPP

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

*RLWS = Radioactive Liquid Waste Sewer

APPENDIX C

Prioritized Listing of Operable Units. (sheet 2 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-BP-1 (Continued)	216-B-50 216-B-57 216-B-61 UN-200-E-110 UN-200-E-63 UN-200-E-9	Crib Crib Crib Spill Spill Spill		CPP CPP CPP CPP CPP CPP
4	100-HR-1 (GW addressed by 100-HR-3)	116-H-1 116-H-2 116-H-3 116-H-4 116-H-5 116-H-6 (183-H) 116-H-7 116-H-9 1607-H2 1607-H3	Trench Trench French Drain Crib Outfall Structure Retention basin Retention basin Crib Septic Tank Septic Tank	Ecology	RPP RPP RPP RPP RPP TSD (T-1-4) RPP RPP RPP RPP
4A	100-HR-3 (GW O.U.)	100-HR-1 100-HR-2 100-DR-1 100-DR-2 100-DR-3	Source O. U. Source O. U. Source O. U. Source O. U. Source O. U.	Ecology	RPP RPP RPP RPP RPP
5	100-DR-1 (GW addressed by 100-HR-3)	116-D-1A 116-D-1B 116-D-2 116-D-3 116-D-4 116-D-5 116-D-6 116-D-7 116-D-9 116-DR-1 116-DR-2 116-DR-5 116-DR-9	Trench Trench Crib French Drain French Drain Outfall Structure French Drain Retention basin Crib Trench Trench Outfall Structure Retention basin	Ecology	RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 3 of 28)

[illegible]

CPP = CERCLA Past-Practice
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APPENDIX C

Prioritized Listing of Operable Units. (sheet 4 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
6A	100-BC-5 (GW O.U.)	100-BC-1 100-BC-2 100-BC-3 100-BC-4	Source O. U. Source O. U. Source O. U. Source O. U.	EPA	CPP CPP CPP CPP
7	100-KR-1 (GW addressed by 100-KR-4)	116-KE-4 116-KW-3 116-K-1 116-K-2 116-K-3	Retention Basin Retention Basin Crib Trench Outfall Structure	EPA	CPP CPP CPP CPP CPP
7A	100-KR-4 (GW O.U.)	100-KR-1 100-KR-2 100-KR-3	Source O. U. Source O. U. Source O. U.	EPA	CPP CPP CPP
8	100-NR-1	116-N-1 (1301-N) 116-N-2 116-N-3 (1325-N) 124-N-4 128-N-1 UN-100-N-13 UN-100-N-17 UN-100-N-2 UN-100-N-20 UN-100-N-24 UN-100-N-26 UN-100-N-31 UN-100-N-9	Crib Storage Tank Crib Septic Tank Burning Pit Spill Spill Spill Spill Spill Spill Spill Spill	Ecology	TSD (D-1-2) RPP TSD (D-1-2) RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP
9	100-NR-3	120-N-1 (1324-N) 120-N-2 (1324-NA) 120-N-3 120-N-5 120-N-6 120-N-7 120-N-8 124-N-1 124-N-10 124-N-2 124-N-5 124-N-6 124-N-7 124-N-8 124-N-9 130-N-1 UN-100-N-11 UN-100-N-15	Pond Neutralization unit French Drain Tank French Drain French Drain French Drain Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Septic Tank Pond Spill Spill	Ecology	TSD (T-1-2) TSD (T-1-2) RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP RPP

CPP = CERCLA Past-Practice

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TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 5 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	100-NR-3 (Continued)	UN-100-N-18	Spill		RPP
		UN-100-N-19	Spill		RPP
		UN-100-N-21	Spill		RPP
		UN-100-N-22	Spill		RPP
		UN-100-N-23	Spill		RPP
		UN-100-N-25	Spill		RPP
		UN-100-N-33	Spill		RPP
		UN-100-N-34	Spill		RPP
		UN-100-N-4	Spill		RPP
		UN-100-N-5	Spill		RPP
		UN-100-N-6	Spill		RPP
		UN-100-N-8	Spill		RPP
		UN-600-17	Spill		RPP
10	100-FR-1	116-F-1	Trench	EPA	CPP
		116-F-10	French Drain		CPP
		116-F-11	French Drain		CPP
		116-F-12	French Drain		CPP
		116-F-13	French Drain		CPP
		116-F-14	Retention basin		CPP
		116-F-2	Trench		CPP
		116-F-3	Trench		CPP
		116-F-4	Crib		CPP
		116-F-5	Crib		CPP
		116-F-6	Trench		CPP
		116-F-7	French Drain		CPP
		116-F-8	Outfall Structure		CPP
		116-F-9	Trench		CPP
		1607-F2	Septic Tank		CPP
		1607-F3	Septic Tank		CPP
		1607-F4	Septic Tank		CPP
		1607-F5	Septic Tank		CPP
		1607-F6	Septic Tank		CPP
		UN-100-F-1	Spill		CPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 6 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
11	200-UP-2	200 West constr. surface laydown area	Burial ground	Ecology	CPP
		207-U	Retention Basin		CPP
		216-U-1&2	Crib		CPP
		216-U-12	Crib		TSD (D-2-8)
		216-U-14	Ditch		CPP
		216-U-15	Trench		CPP
		216-U-16	Crib		CPP
		216-U-17	Crib		CPP
		216-U-3	French Drain		CPP
		216-U-4	Reverse Well		CPP
		216-U-4A	French Drain		CPP
		216-U-4B	French Drain		CPP
		216-U-5	Trench		CPP
		216-U-6	Trench		CPP
		216-U-7	French Drain		CPP
		216-U-8	Crib		CPP
		241-U-151	Diversion Box		CPP
		241-U-152	Diversion Box		CPP
		241-U-302	Catch tank		CPP
		241-U-361	Settling Tank		CPP
		241-UX-154	Diversion Box		CPP
		241-UX-302	Catch Tank		CPP
		241-WR Vault	Vault		CPP
		2607-W5	Septic Tank		CPP
		2607-W7	Septic Tank		CPP
		UN-200-W-101	Spill		CPP
		UN-200-W-117	Spill		CPP
		UN-200-W-118	Spill		CPP
		UN-200-W-125	Spill		CPP
		UN-200-W-138	Spill		CPP
		UN-200-W-19	Spill		CPP
		UN-200-W-22	Spill		CPP
		UN-200-W-33	Spill		CPP
		UN-200-W-39	Spill		CPP
		UN-200-W-46	Spill		CPP
		UN-200-W-48	Spill		CPP
		UN-200-W-55	Spill		CPP
		UN-200-W-6	Spill		CPP
		UN-200-W-60	Spill		CPP
		UN-200-W-69	Spill		CPP
		UN-200-W-78	Spill		CPP
		UN-200-W-86	Spill		CPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 7 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
12	100-BC-2 (GW addressed by 100-BC-5)	116-C-2A	Crib	EPA	CPP
		116-C-2B	Crib		CPP
		116-C-2C	Crib		CPP
		116-C-3	Outfall Structure		CPP
		118-C-2	Burial Ground		CPP
		1607-B8	Septic Tank		CPP
13	200-BP-5	216-B-5	Reverse Well	EPA	CPP
		216-B-56	Crib		CPP
		216-B-59A	Trench		CPP
		216-B-59B	Retention Basin		CPP
		216-B-9TF	Crib		CPP
		241-B-154	Diversion Box		CPP
		241-B-302-B	Catch Tank		CPP
		241-B-361	Settling Tank		CPP
		UN-200-E-45	Spill		CPP
		UN-200-E-7	Spill		CPP
14	100-DR-2 (GW Addressed by 100-HR-3)	116-DR-3	Trench	Ecology	RPP
		116-DR-4	Crib		RPP
		116-DR-6	Trench		RPP
		116-DR-7	Crib		RPP
		116-DR-8	Crib		RPP
		118-D-5	Burial Ground		RPP
		1607-D3	Septic Tank		RPP
15	200-ZP-1	216-Z-1&2TF	Crib	EPA	CPP
		216-Z-12	Crib		CPP
		216-Z-13	French Drain		CPP
		216-Z-14	French Drain		CPP
		216-Z-15	French Drain		CPP
		216-Z-18	Crib		CPP
		216-Z-1A	Tile Field		CPP
		216-Z-3	Crib		CPP
		241-Z-361	Settling Tank		CPP
		2607-Z	Septic tank		CPP
		UN-200-W-103	Spill		CPP
		UN-200-W-11	Spill		CPP
		UN-200-W-23	Spill		CPP
		UN-200-W-74	Spill		CPP
		UN-200-W-75	Spill		CPP
		UN-200-W-89	Spill		CPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 8 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-ZP-1 (Continued)	UN-200-W-90 UN-200-W-91 UN-200-W-159	Spill Spill Spill		CPP CPP CPP
16	100-KR-2 (GW Addressed by 100-KR-4)	130-KE-1 130-KW-1 116-KE-1 116-KE-2 116-KE-3 116-KW-1 116-KW-2 118-K-1 1607-K4 1607-K6 130-KE-2 130-kW-2 130-K-1 130-K-2 UN-100-K-1	Storage tank Storage tank Crib Crib French Drain Crib French Drain Burial Ground Septic Tank Septic Tank Storage Tank Storage Tank Storage Tank Storage Tank Spill	EPA	CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP CPP
17	200-BP-4	216-B-11A&B 216-B-51 216-B-7A&B 216-B-8TF	Reverse Well French drain Crib Crib		
18	200-BP-11	216-B-3 (B Pond) 216-B-3-1 216-B-3-2 216-B-3-3 216-B-3A 216-B-3B 216-B-3C 216-E-25 UN-200-E-14 UN-200-E-92	Pond Ditch Ditch Ditch Pond Pond Pond Pond Spill Spill	Ecology	TSD (D-2-5) RPP RPP TSD (D-2-5) TSD (D-2-5) TSD (D-2-5) TSD (D-2-5) RPP RPP RPP
19	200-PO-2	216-A-10 216-A-15 216-A-2 216-A-21 216-A-27 216-A-31 216-A-36A 216-A-36B	Crib French Drain Crib Crib Crib Crib Crib Crib		TSD (D-2-2) TSD (D-2-4)

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 9 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-PO-2 (Continued)	216-A-38-1 216-A-4 216-A-45 216-A-5 UN-200-E-117 UN-200-E-13 UN-200-E-22 UN-200-E-25 UN-200-E-39 UN-200-E-40 UN-200-E-97	Crib Crib Crib Crib Spill Spill Spill Spill Spill Spill Spill		
20	200-PO-5	207-A 216-A-1 216-A-16 216-A-17 216-A-18 216-A-19 216-A-20 216-A-23A 216-A-23B 216-A-24 216-A-29 216-A-34 216-A-7 216-A-8 216-A-524 241-A-302B 2607-EC UN-200-E-56 UN-200-E-67	Retention Basin Crib French Drain French Drain Trench Trench Trench French Drain French Drain Crib Ditch Ditch Crib Crib Control Structure Catch Tank Septic Tank Spill Spill		TSD (D-2-3)
B	100-BC-3 (GW Addressed by 100-BC-5)	118-B-2 118-B-3 118-B-4 118-B-6	Burial Ground Burial Ground Burial Ground Burial Ground	EPA	CPP CPP CPP CPP
B	100-BC-4 (GW addressed by 100-BC-5)	118-B-1 118-C-1 1607-B9	Burial Ground Burial Ground Septic Tank	EPA	CPP CPP CPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 10 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
B	100-DR-3 (GW Addressed by 100-HR-3)	118-D-1	Burial Ground	Ecology	RPP
		118-D-2	Burial Ground		RPP
		118-D-3	Burial Ground		RPP
		118-D-4	Burial Ground		RPP
		118-DR-1	Burial Ground		RPP
		128-D-1	Burning pit		RPP
		1607-D1	Septic Tank		RPP
B	100-FR-2	118-F-1	Burial Ground		
		118-F-2	Burial Ground		
		118-F-3	Burial Ground		
		118-F-4	Burial Ground		
		118-F-5	Burial Ground		
		118-F-6	Burial Ground		
		118-F-7	Burial Ground		
		126-F-1	Ash pit		
		128-F-1	Burning pit		
		1607-F1	Septic Tank		
B	100-HR-2 (GW Addressed by 100-HR-3)	118-H-1	Burial Ground	Ecology	RPP
		118-H-2	Burial Ground		RPP
		118-H-3	Burial Ground		RPP
		118-H-4	Burial Ground		RPP
		118-H-5	Burial ground		RPP
		126-H-1	Ash pit		RPP
		128-H-1	Burning pit		RPP
		1607-H1	Septic Tank		RPP
		1607-H4	Septic Tank		RPP
B	100-KR-3 (GW Addressed by 100-KR-4)	120-KE-1	Reverse Well	EPA	CPP
		120-KW-2	French Drain		CPP
		120-KE-3	Trench		CPP
		120-KE-2	French Drain		CPP
		120-KW-5	Storage Tank		CPP
		120-KE-6	Storage Tank		CPP
		120-KW-1	Reverse well		CPP
		128-K-1	Burning pit		CPP
		130-K-3	Storage tank		CPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 11 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	100-KR-3 (Continued)	1607-K1 1607-K2 1607-K3 1607-K5	Septic Tank Septic Tank Septic Tank Septic Tank		CPP CPP CPP CPP
B	100-NR-2	116-N-4 118-N-1 124-N-3 UN-100-N-1 UN-100-N-10 UN-100-N-12 UN-100-N-14 UN-100-N-29 UN-100-N-3 UN-100-N-30 UN-100-N-32 UN-100-N-35 UN-100-N-7	Storage Tank Silos Septic Tank Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill		
B	100-IU-1	Army Munitions Burial Site Riverland Railroad Pit Car Wash Pit	Burial Ground		
B	200-BP-2	216-B-14 216-B-15 216-B-16 216-B-17 216-B-18 216-B-19 216-B-20 216-B-21 216-B-22 216-B-23 216-B-24 216-B-25 216-B-26 216-B-27 216-B-28 216-B-29	Crib Crib Crib Crib Crib Crib Trench Trench Trench Trench Trench Trench Trench Trench Trench Trench		

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 12 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-BP-2 (Continued)	216-B-30	Trench		
		216-B-31	Trench		
		216-B-32	Trench		
		216-B-33	Trench		
		216-B-34	Trench		
		216-B-52	Trench		
		216-B-53A	Trench		
		216-B-53B	Trench		
		216-B-54	Trench		
		216-B-58	Trench		
		UN-200-E-83	Spill		
B	200-PO-1	216-A-11	French Drain		
		216-A-12	French Drain		
		216-A-13	French Drain		
		216-A-14	French Drain		
		216-A-22	French Drain		
		216-A-26	French Drain		
		216-A-26A	French Drain		
		216-A-28	French Drain		
		216-A-3	Crib		
		216-A-32	Crib		
		216-A-33	French Drain		
		216-A-35	French Drain		
		216-A-40	Trench		
		216-A-41	Crib		
		216-A-9	Crib		
		218-E-1	Burial Ground		
		218-E-13	Burial Ground		
		241-A-151	Diversion Box		
		241-A-302A	Catch Tank		
		2607-E6	Septic Tank		
		2607-EA	Septic Tank		
		UN-200-E-10	Spill		
		UN-200-E-11	Spill		
		UN-200-E-12	Spill		
		UN-200-E-15	Spill		
		UN-200-E-19	Spill		
		UN-200-E-20	Spill		
		UN-200-E-26	Spill		
		UN-200-E-28	Spill		
		UN-200-E-31	Spill		
		UN-200-E-33	Spill		
		UN-200-E-35	Spill		

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 13 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-PO-1 (Continued)	UN-200-E-42 UN-200-E-49 UN-200-E-58 UN-200-E-60 UN-200-E-65 UN-200-E-88 UN-200-E-96 UN-200-E-114 UN-200-E-142	Spill Spill Spill Spill Spill Spill Spill Spill Spill		
B	200-PO-4	216-A-30 216-A-37-1 216-A-37-2 216-A-42 216-A-6 2607-EL UN-200-E-66	Crib Crib Crib Retention Basin Crib Septic Tank Spill		
B	200-SO-1	200-E Power House Ditch 216-C-1 216-C-10 216-C-2 216-C-3 216-C-4 216-C-5 216-C-6 216-C-7 216-C-9 218-C-9 241-CX-70 241-CX-71 241-CX-72 2607-E5 2607-E7A Hot Semi-Works Valve Pit UN-200-E-36 UN-200-E-37 UN-200-E-98 UN-200-E-141	Ditch Crib Crib Reverse Well Crib Crib Crib Crib Crib Crib Pond Burial Ground Storage Tank Storage Tank Storage Tank Septic Tank Septic Tank Valve Pit Spill Spill Spill Spill		

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 14 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
B	200-TP-1	216-T-21	Trench		
		216-T-22	Trench		
		216-T-23	Trench		
		216-T-24	Trench		
		216-T-25	Trench		
		216-T-32	Crib		
		216-T-36	Crib		
		216-T-5	Trench		
		216-T-7TF	Crib		
B	200-TP-2	2607-WT	Septic Tank		
		200-W Powerhouse Pond	Pond		
		216-T-13	Trench		
		216-T-18	Crib		
		216-T-19TF	Crib		
		216-T-20	Trench		
		216-T-26	Crib		
		216-T-27	Crib		
		216-T-28	Crib		
		216-T-31	French Drain		
		241-TX-152	Diversion Box		
		241-TX-155	Diversion Box		
		241-TX-302B	Catch Tank		
		UN-200-W-113	Spill		
		UN-200-W-131	Spill		
		UN-200-W-135	Spill		
		UN-200-W-14	Spill		
		UN-200-W-28	Spill		
		UN-200-W-5	Spill		
		UN-200-W-99	Spill		
B	200-TP-4	216-T-1	Ditch		
		216-T-10	Trench		
		216-T-11	Trench		
		216-T-2	Reverse Well		
		216-T-29	Crib		
		216-T-3	Reverse Well		
		216-T-33	Crib		
		216-T-34	Crib		
		216-T-35	Crib		
		216-T-8	Crib		
		216-T-9	Trench		
		218-W-7	Burial Ground		
		218-W-8	Burial Ground		
		241-T-361	Settling Tank		

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 15 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-TP-4 (Continued)	241-TX-154 241-TX-302C 2607-W3 2607-W4 UN-200-W-102 UN-200-W-137 UN-200-W-2 UN-200-W-21 UN-200-W-27 UN-200-W-3 UN-200-W-38 UN-200-W-4 UN-200-W-58 UN-200-W-65 UN-200-W-67 UN-200-W-73 UN-200-W-77 UN-200-W-8 UN-200-W-98	Diversion Box Catch Tank Septic Tank Septic Tank Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill		
B	200-ZP-2	207-Z 216-Z-10 216-Z-16 216-Z-17 216-Z-4 216-Z-5 216-Z-6 216-Z-7 216-Z-8 216-Z-9 2607-W8 2607-WA 2607-Z8 UN-200-W-130 UN-200-W-79	Retention Basin Reverse Well Crib Trench Trench Crib Crib Crib French Drain Trench Septic Tank Septic Tank Septic Tank Spill Spill		
B	200-IU-3	Central Landfill Original Central Landfill NRDW* Landfill 6607-1 6607-2 UN-600-12	Landfill Landfill Landfill Septic Tank Septic Tank Spill		TSD (D-6-1)

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

*Nonradioactive Dangerous Waste

APPENDIX C

Prioritized Listing of Operable Units. (sheet 16 of 28)

Priority	Operable Unit	Title of Units	Unit Type	Lead Regulatory Agency	Unit Category
B	300-FF-2 (GW Addressed by 300-FF-5)	300 Vittrification Test Site	Test treatment Facility	EPA	CPP
		618-1	Burial Ground		CPP
		618-13	Burial Ground		CPP
		618-2	Burial Ground		CPP
		618-3	Burial Ground		CPP
		618-7	Burial Ground		CPP
		618-8	Burial Ground		CPP
		618-9	Burial Ground		CPP
B	300-FF-3 (GW Addresseed by 300-FF-5)	300 Interim Filter Backwash Disposal	Pond	EPA	CPP
		309-TW-1	Storage Tank		CPP
		309-TW-2	Storage Tank		CPP
		309-TW-3	Storage Tank		CPP
		315 Retired Drain Field	Drain Field		CPP
		323 Tank 1	Tank		CPP
		323 Tank 2	Tank		CPP
		323 Tank 3	Tank		CPP
		323 Tank 4	Tank		CPP
		331 Drain field	Drain Field		CPP
		331 Trench 1	Trench		CPP
		331 Trench 2	Trench		CPP
		335 & 336 Retired Drain Fields	Drain Fields		CPP
		618-6	Burial Ground		CPP
		UN-300-10	Spill		CPP
		UN-300-12	Spill		CPP
		UN-300-13	Spill		CPP
		UN-300-17	Spill		CPP
		UN-300-18	Spill		CPP
		UN-300-39	Spill		CPP
		UN-300-4	Spill		CPP
		UN-300-40	Spill		CPP
		UN-300-42	Spill		CPP
		UN-300-43	Spill		CPP
		UN-300-44	Spill		CPP
		UN-300-45	Spill		CPP

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 17 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	300-FF-3 (Continued)	UN-300-5 UN-300-7	Spill Spill		CPP CPP
C	100-IU-2	East White Bluffs Landfill White Bluffs Landfill J. A. Jones #2	Landfill Landfill Landfill		
C	100-IU-3	USBR 2,4-D Burial Site Wahulke Slope NIKE Missile Base	Landfill Missile Base		
C	1100-EM-2	1100 Hoist Rams 1100 HWSA* 1100 Steam Pad Tank #2 1100 Steam Pad Tank #3 1100 Used Oil Tank #4 1100 Used Oil Tank #5 1100 Used Oil Tank #6 700 Area Waste Solvent Tank	Storage Tank Staging Area Storage Tank Storage Tank Storage Tank Storage Tank Storage Tank Storage Tank Storage Tank		
C	1100-EM-3	1208 HWSA 1226 HWSA 1234 Storage Yard 1240 HWSA Jones Yard HWSA Underground Used Oil Tank UN-3000-1	Staging Area Staging Area Storage facility Staging Area Staging Area Storage Tank Spill		

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

*Hazardous Waste Staging Area

APPENDIX C

Prioritized Listing of Operable Units. (sheet 18 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
C	1100-IU-1	6652-C SSL Active Septic Tank	Septic Tank		
		6652-C SSL Inactive Septic Tank	Septic Tank		
		6652-I ALE Septic Tank	Septic Tank		
		6652-G ALE Septic Tank	Septic Tank		
		Rattlesnake Mtn. NIKE Missile Base	Missile Base		
C	200-BP-10	218-E-2	Burial Ground		
		218-E-2A	Burial Ground		
		218-E-4	Burial Ground		
		218-E-5	Burial Ground		
		218-E-5A	Burial Ground		
		218-E-9	Burial Ground		
		UN-200-E-112	Spill		
		UN-200-E-61	Spill		
		UN-200-E-95	Spill		
C	200-BP-3	216-B-35	Trench		
		216-B-36	Trench		
		216-B-37	Trench		
		216-B-38	Trench		
		216-B-39	Trench		
		216-B-40	Trench		
		216-B-41	Trench		
		216-B-42	Trench		
C	200-BP-6	216-B-10A	Crib		
		216-B-10B	Crib		
		216-B-13	French Drain		
		216-B-4	Reverse Well		
		216-B-6	Reverse Well		
		216-B-60	Crib		
		218-E-6	Burial Ground		
		218-E-7	Burial Ground		
		241-BX-154	Diversion Box		
		241-BX-155	Diversion box		
		241-BX-302B	Catch Tank		
		241-BX-302C	Catch Tank		

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RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 19 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-BP-6 (Continued)	241-ER-152 2607-E3 2607-E4 Tile Field South of 218-E-4 UN-200-E-1 UN-200-E-103 UN-200-E-2 UN-200-E-3 UN-200-E-41 UN-200-E-44 UN-200-E-52 UN-200-E-140 UN-200-E-54 UN-200-E-55 UN-200-E-69 UN-200-E-80 UN-200-E-85 UN-200-E-87 UN-200-E-90	Diversion Box Septic Tank Septic Tank Tile Field Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill		
C	200-BP-8	207-B 216-B-2-1 216-B-2-2 216-B-2-3 216-B-63 2607-E9	Retention Basin Ditch Ditch Ditch Trench Septic Tank		TSD (D-2-6)
C	200-BP-9	200 Area const. pit 216-B-12 216-B-55 216-B-62 216-B-64 241-ER-151 241-ER-311 UN-200-E-64	Landfill Crib Crib Crib Crib Diversion Box Catch Tank Spill		
C	200-NO-1	216-N-1 216-N-2 216-N-3 216-N-4 216-N-5 216-N-6 216-N-7	Pond Trench Trench Pond Trench Pond Trench		

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 20 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
C	200-PO-6	200-E burning pit 218-E-12A 218-E-8	Pit Burial Ground Burial Ground		
C	200-RO-1	216-S-10D 216-S-10P 216-S-11 216-S-16D 216-S-16P 216-S-17 216-S-172 216-S-19 216-S-25 216-S-5 216-S-6 216-U-9 2607-WZ 2904-S-160 2904-S-170 2904-S-171 UN-200-W-139	Ditch Pond Pond Ditch Pond Pond Control structure Pond Crib Crib Crib Ditch Septic tank Control structure Control structure Control structure Spill		TSD (D-2-7) TSD (D-2-7)
C	200-RO-2	207-S 216-S-1&2 216-S-13 216-S-15 216-S-18 216-S-23 216-S-3 216-S-7 216-S-8 216-S-9 218-W-9 241-S-302A 241-SX-302 UN-200-W-108 UN-200-W-109 UN-200-W-114	Retention Basin Crib Crib Pond Trench Crib French Drain Crib Trench Crib Burial Ground Catch Tank Catch Tank Spill Spill Spill		

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TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 21 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-RO-2 (Continued)	UN-200-W-123 UN-200-W-127 UN-200-W-20 UN-200-W-32 UN-200-W-34 UN-200-W-41 UN-200-W-42 UN-200-W-49 UN-200-W-50 UN-200-W-52 UN-200-W-82 UN-200-W-83 UN-200-W-85	Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill Spill		
C	200-RO-3	207-SL 216-S-12 216-S-14 216-S-20 216-S-22 216-S-26 240-S-151 240-S-152 240-S-302 2607-W6 UN-200-W-116 UN-200-W-30 UN-200-W-35 UN-200-W-43 UN-200-W-56 UN-200-W-57 UN-200-W-61 UN-200-W-87	Retention Basin Trench Trench Crib Crib Crib Diversion Box Diversion Box Catch Tank Septic Tank Spill Spill Spill Spill Spill Spill Spill Spill		
C	200-TP-3	207-T 216-T-12 216-T-14 216-T-15 216-T-16 216-T-17 216-T-4-1D 216-T-4-2 216-T-4A 216-T-4B 216-T-6 UN-200-W-63 UN-200-W-7	Retention Basin Trench Trench Trench Trench Trench Ditch Ditch Pond Pond Crib Spill Spill		

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX C

Prioritized Listing of Operable Units. (sheet 22 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
C	200-UP-1	216-S-21	Crib		
		216-S-4	French Drain		
		216-U-10	Pond		
		216-U-11	Ditch		
		216-U-13	Trench		
		216-Z-11	Ditch		
		216-Z-19	Ditch		
		216-Z-1D	Ditch		
		216-Z-20	Crib		
		2607-W9	Septic Tank		
		UN-200-W-68	Spill		
C	200-ZP-3	218-W-1	Burial Ground		
		218-W-1A	Burial Ground		
		218-W-2	Burial Ground		
		218-W-2A	Burial Ground		
		218-W-3	Burial Ground		
		218-W-4A	Burial Ground		
		218-W-11	Burial Ground		
		2607-WWA	Septic Tank		
		Z-Plant Burning Pit	Pit		
		UN-200-W-132	Spill		
		UN-200-W-44	Spill		
C	200-IU-4	Hanford Townsite Landfill	Landfill		
		Hanford Trailer Camp Landfill	Landfill		
		213 J & K	Storage facility		
		P-11	Crib		
		UN-600-16	Spill		
		UN-600-18	Spill		
C	300-IU-1	316-4	Crib		
		618-10	Burial Ground		
		618-11	Burial Ground		
		J. A. Jones #1	Landfill		
		UN-600-11	Spill		

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 23 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
C	300-FF-4	4713-B discharge 4722-B discharge 4722-C discharge French drain #10 French drain #10A French drain #1A French drain #1B French drain #2 French drain #3 French drain #4 French drain #5 French drain #6 French drain #7 French drain #8 French drain #9 403 discharge 4721 building 400 Area process pond and sewer 400 Area retired french drains 400 Area retired sanitary pond 400 Area retired septic tanks Sand bottom trench Sanitary sewer Sanitary tile field 4831 laydown hazardous staging UN-400-1	French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain French drain Pond French drain Pond Septic tank Trench Sewer Tile field Staging area Spill		
D	100-IU-4	Sodium dichromate barrel disposal	Landfill		
D	100-IU-5	White Bluffs pickling acid	Crib		
D	200-SS-1	200-E Powerhouse Ash Pit 218-E-3 2607-E1	Ash pit Burial ground Septic tank		

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 24 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-SS-1 (Continued)	2607-E7B 2607-E8 2607-EH 2607-EK 2607-EM 2607-EP 2607-EQ 2607-ER 2607-GF Chemical tile field north of 2703-E	Septic tank Septic tank Septic tank Septic tank Septic tank Septic tank Septic tank Septic tank Septic tank Drain field		
D	200-SS-2	200 West Ash Disposal Basin 200 West Burning Pit 200-W Powerhouse Ash Pit 216-W-LC 2607-W1 2607-W2 UN-200-W-88	Ash pit Ash pit Burning pit Crib Septic Tank Septic Tank Spill		
D	200-IU-1	Exploratory Shaft HWSA Exploratory Shaft Septic Tank 6607-3	Staging Area Septic Tank Septic Tank		
D	200-IU-6	216-A-25 216-N-8	Pond Pond		
D	200-IU-2	NSTF* Septic Tank NSTF* Underground Tank 1607-FSM	Septic Tank Storage Tank Septic Tank		
D	200-IU-5	Batch Plant HWSA 2607-FSN 622-R Old central shop area	Staging Area Septic tank Septic Tank Building		

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*Near Surface Test Facility

APPENDIX C

Prioritized Listing of Operable Units. (sheet 25 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
*	200-BP-7	241-B Tank Farm (16 Units)	Single-Shell Tank	Ecology	TSD (S-2-4)
		241-B-151	Diversion Box		RPP
		241-B-152	Diversion Box		RPP
		241-B-153	Diversion Box		RPP
		241-B-252	Diversion Box		RPP
		241-B-301B	Catch Tank		RPP
		241-BR-152	Diversion Box		RPP
		241-BX Tank Farm (12 units)	Single-Shell Tank		TSD (S-2-4)
		241-BX-153	Diversion Box		RPP
		241-BX-302A	Catch Tank		RPP
		241-BXR-151	Diversion Box		RPP
		241-BXR-152	Diversion Box		RPP
		241-BXR-153	Diversion Box		RPP
		241-BY Tank Farm (12 units)	Single-Shell Tank		TSD (S-2-4)
		241-BYR-152	Diversion Box		RPP
		241-BYR-153	Diversion Box		RPP
		241-BYR-154	Diversion Box		RPP
		242-B-151	Diversion Box		RPP
		244-BXR	Receiving Vault		RPP
		2607-EB	Septic Tank		RPP
		UN-200-E-101	Spill		RPP
		UN-200-E-105	Spill		RPP
		UN-200-E-109	Spill		RPP
		UN-200-E-38	Spill		RPP
		UN-200-E-43	Spill		RPP
		UN-200-E-5	Spill		RPP
		UN-200-E-75	Spill		RPP
		UN-200-E-76	Spill		RPP
		UN-200-E-79	Spill		RPP
		UN-200-E-89	Spill		RPP
*	200-PO-3	216-A-39	Crib	Ecology	RPP
		216-C-8	French Drain		RPP
		241-A Tank Farm (6 units)	Single-Shell Tank		TSD (S-2-4)
		241-A-152	Diversion Box		RPP
		241-A-153	Diversion Box		RPP
		241-A-350	Catch Tank		RPP
		241-A-417	Condensate Tank		RPP
		241-A-A	Diversion Box		RPP
		241-A-B	Diversion Box		RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 26 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
200-PO-3 (Continued)		241-AR-151	Diversion box		RPP
		241-AX Tank Farm	Single-shell tank		TSD (S-2-4)
		(4 units)			
		241-AX-151	Diversion box		RPP
		241-AX-152-CT	Catch tank		RPP
		241-AX-152-DS	Diverter station		RPP
		241-AX-155	Diversion box		RPP
		241-AX-501	Valve pit		RPP
		241-AX-A	Diversion box		RPP
		241-AX-B	Diversion box		RPP
		241-C Tank Farm	Single-shell tank		TSD (S-2-4)
		(16 units)			
		241-C-151	Diversion box		RPP
		241-C-152	Diversion box		RPP
		241-C-153	Diversion box		RPP
		241-C-252	Diversion box		RPP
		241-C-301C	Catch tank		RPP
		241-CR-151	Diversion box		RPP
		241-CR-152	Diversion box		RPP
		241-CR-153	Diversion box		RPP
		241-ER-153	Diversion box		RPP
		2607-ED	Septic tank		RPP
		2607-EG	Septic tank		RPP
		2607-EJ	Septic tank		RPP
		UN-200-E-118	Spill		RPP
		UN-200-E-16	Spill		RPP
		UN-200-E-18	Spill		RPP
		UN-200-E-27	Spill		RPP
		UN-200-E-47	Spill		RPP
		UN-200-E-48	Spill		RPP
		UN-200-E-68	Spill		RPP
		UN-200-E-70	Spill		RPP
		UN-200-E-72	Spill		RPP
		UN-200-E-81	Spill		RPP
		UN-200-E-82	Spill		RPP
		UN-200-E-86	Spill		RPP
		UN-200-E-91	Spill		RPP

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 27 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
	200-PO-3 (Continued)	UN-200-E-94 UN-200-E-99 UN-200-E-100 UN-200-E-107	Spill Spill Spill Spill		RPP RPP RPP RPP
*	200-RO-4	241-S Tank Farm (12 units) 241-S-151 241-S-152 241-S-302B 241-S-A 241-S-B 241-S-C 241-S-D 241-SX Tank Farm (15 units) 241-SX-151 241-SX-152 UN-200-W-10 UN-200-W-80 UN-200-W-81	Single-shell tank Diversion box Diversion box Catch tank Valve pit Valve pit Valve pit Valve pit Single-shell tank Diversion box Diversion box Spill Spill Spill	Ecology	TSD (S-2-4) RPP RPP RPP RPP RPP RPP RPP TSD (S-2-4) RPP RPP RPP RPP RPP
*	200-TP-5	241-TX Tank Farm (18 units) 241-TX-153 241-TX-302A 241-TXR-152 241-TXR-153 241-TY Tank Farm (6 units) 241-TY-153 241-TY-302A 241-TY-302B 242-T-151 2607-WTX UN-200-W-100 UN-200-W-17 UN-200-W-29 UN-200-W-76	Single-shell tank Diversion box Catch tank Diversion box Diversion box Single-shell tank Diversion box Catch tank Catch tank Diversion box Septic tank Spill Spill Spill Spill	Ecology	TSD (S-2-4) RPP RPP RPP RPP TSD (S-2-4) RPP RPP RPP RPP RPP RPP RPP RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

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APPENDIX C

Prioritized Listing of Operable Units. (sheet 28 of 28)

<u>Priority</u>	<u>Operable Unit</u>	<u>Title of Units</u>	<u>Unit Type</u>	<u>Lead Regulatory Agency</u>	<u>Unit Category</u>
*	200-TP-6	241-T Tank Farm (16 units)	Single-Shell tank	Ecology	TSD (S-2-4)
		241-T-151	Diversion box		RPP
		241-T-152	Diversion box		RPP
		241-T-153	Diversion box		RPP
		241-T-252	Diversion box		RPP
		241-T-301	Catch tank		RPP
		241-T-302	Catch tank		RPP
		241-TR-152	Diversion box		RPP
		241-TR-153	Diversion box		RPP
		UN-200-W-62	Spill		RPP
		UN-200-W-64	Spill		RPP
		UN-200-W-97	Spill		RPP
*	200-UP-3	241-U Tank Farm (16 units)	Single-shell tank	Ecology	TSD (S-2-4)
		241-U-153	Diversion box		RPP
		241-U-252	Diversion box		RPP
		241-U-301	Catch tank		RPP
		241-U-A	Diversion box		RPP
		241-U-B	Diversion box		RPP
		241-U-C	Diversion box		RPP
		241-U-D	Diversion box		RPP
		241-UR-151	Diversion box		RPP
		241-UR-152	Diversion box		RPP
		241-UR-153	Diversion box		RPP
		241-UR-154	Diversion box		RPP
		244-UR	Receiving vault		RPP
		2607-WUT	Septic tank		RPP
		UN-200-W-71	Spill		RPP

Note: *This operable unit contains single-shell tanks and is not prioritized with other operable units. Schedules for RFI/CMS work plans and subsequent characterization are being developed as part of the SST system closure/corrective action work plan.

CPP = CERCLA Past-Practice

RPP = RCRA Past-Practice

TSD = Treatment, Storage, and Disposal

APPENDIX D

Work Schedule

- o Listing of Currently Identified Interim Milestones**
- o Time-scaled Logic Networks**

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 1 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-01-00	<p>Complete 14 grout campaigns of double-shell tank waste by September 1994 and maintain currency with waste feed thereafter</p> <p>The 14 grout campaigns will support the acceleration of the single-shell tank stabilization activities by one year. Additional grout campaigns will allow double-shell tank space to be made available for single-shell tank waste. The number of grout campaigns each year after Sept. 1994 will be dependent upon the availability of grout feed material. Grout campaigns (up to 5 each year) will be conducted when sufficient waste feed is accumulated to fill a grout vault.</p>	Sept. 1994
M-01-01	Complete a total of 3 grout campaigns of double-shell tank wastes (includes one campaign of phosphate-sulfate waste)	Sept. 1991
M-01-02	Complete a total of 6 grout campaigns of double-shell tank wastes	Sept. 1992
M-01-03	Complete a total of 10 grout campaigns of double-shell tank wastes	Sept. 1993
M-01-04	Complete a total of 14 grout campaigns of double-shell tank wastes	Sept. 1994
M-01-05	Commitments for additional grout campaigns after September 1994 will be incorporated as interim milestones	Biennially beginning Sept. 1994
M-02-00	<p>Initiate B Plant operations for pretreatment of double-shell tank waste</p> <p>Double-shell tank waste pretreatment is required prior to disposal of high-activity tank wastes. The B Plant pretreatment supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Removal of the wastes from double-shell tanks and disposal in grout or glass will allow double-shell tank space to be made available for single-shell tank waste.</p>	Oct. 1993

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 2 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-02-01	Initiate pretreatment of neutralized current acid waste	Oct. 1993
M-02-02	Commitments for pretreatment of additional tank wastes will be incorporated as interim milestones	Biennially beginning CY 1992
M-03-00	Initiate Hanford Waste Vitrification Plant operations Waste which is pretreated in B Plant will be designated for disposal in either glass or grout. Pending treatment and final disposal, the wastes must be stored in double-shell tanks. Completion of the vitrification plant will enable the pretreated waste to be removed from double-shell tanks, thus allowing double-shell tank space to be made available for single-shell tank waste. The HWVP also supports the removal, treatment, and final disposal of wastes subject to land disposal restrictions which are stored in double-shell tanks. Initiation of operations is defined to be hot startup.	Dec. 1999 ¹
M-03-01	Initiate HWVP construction	July 1991
M-03-02	Complete HWVP construction	June 1998 ¹
M-04-00	Provide annual reports of tank waste treatability studies Wastes stored in double-shell and single-shell tanks, as well as newly generated wastes destined to be stored in the double-shell tanks, will be studied to determine the most appropriate treatment/disposal method. Studies to determine the long-term feasibility of grout or glass for disposal of these wastes are included in the scope of this milestone.	Annually Beginning Sept. 1990
M-04-01	Provide letter to Ecology describing work scope to be included in Sept. 1990 report	Dec. 1989

¹The Department of Energy, Richland Operations Office commits to request sufficient money in FY 1991 to meet milestone M-03-00.

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 3 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-05-00	Complete single-shell tank interim stabilization	Sept. 1995
	Complete the single-shell tank interim stabilization activities (removal of pumpable liquid from those 51 single-shell tanks not yet stabilized) for all single-shell tanks except 241-C-105 and 241-C-106. All 149 tanks, including 241-C-105 and 241-C-106 will be interim stabilized and interim isolated by September 1996.	
M-05-01	Interim stabilize 3 single-shell tanks	Sept. 1989
M-05-02	Interim stabilize an additional 5 single-shell tanks	Sept. 1990
M-05-03	Interim stabilize an additional 9 single-shell tanks	Sept. 1991
M-05-04	Interim stabilize an additional 9 single-shell tanks	Sept. 1992
M-05-05	Interim stabilize an additional 9 single-shell tanks	Sept. 1993
M-05-06	Interim stabilize an additional 9 single-shell tanks	Sept. 1994
M-05-07	Interim stabilize an additional 5 single-shell tanks (stabilization complete except for 241-C-105 and 241-C-106)	Sept. 1995
M-05-08	Interim stabilize Tanks 241-C-105 and 241-C-106	Sept. 1996
M-05-09	Complete interim stabilization and interim isolation of all 149 single-shell tanks	Sept. 1996

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 4 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-06-00	Develop single-shell tank waste retrieval technology and complete scale-model testing Various waste retrieval technologies will be evaluated for retrieving each of the several types of single-shell tank wastes. Emphasis will be placed on optimizing waste removal while minimizing personnel exposure. Promising technologies will be evaluated for each waste type and one or more will be selected for testing using simulated waste in a scale model (minimum 1:12 scale) tank.	June 1994
M-06-01	Identify waste retrieval technologies to be tested in scale-model tank.	Oct. 1990
M-06-02	Initiate waste retrieval testing in scale-model tank	Oct. 1992
M-07-00	Initiate full-scale demonstration of waste retrieval technology A full-scale waste retrieval demonstration at a pre-selected single-shell tank will follow scale model testing of waste retrieval technologies (Milestone M-06-00). This demonstration will be complete when it succeeds in removing no less than 95 percent of the radioactive and chemical waste inventory from the single-shell tank. If any waste remains in the tank or the surrounding soil, final tank closure will proceed under an approved closure plan in Milestone M-08 or M-09. Demonstration initiation is defined as startup of the waste retrieval equipment in the selected single-shell tank.	Oct. 1997
M-07-01	Submit tank selection criteria, retrieval options and recommended tank selection to Ecology for concurrence	Oct. 1993
M-07-02	Ecology concurrence/non-concurrence of tank selection criteria, retrieval options, and tank selection	Dec. 1993

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-07-03	Complete final design for installation of piping and other required waste removal equipment	Dec. 1994
M-07-04	Submit completion date and completion criteria for full-scale demonstration project to Ecology for concurrence	Oct. 1997
M-07-05	Ecology concurrence/non-concurrence of completion date/criteria	Dec. 1997
M-08-00	Initiate full-scale tank farm closure demonstration project	June 2004
	<p>The full-scale tank farm demonstration project will include waste retrieval and the installation of a final cover. Decisions as to the appropriate disposal of wastes, tanks, contaminated piping, and soils will follow detailed characterization and regulatory agency approval as part of the closure process. For purposes of this milestone, initiation is defined as full-scale waste retrieval. The full-scale demonstration will serve to verify the various technologies being developed for tank farm closures.</p>	
M-08-01	Submit tank farm selection criteria, closure method(s), tank farm selection rationale, and recommended tank farm selection to Ecology for approval	Jan. 1999
M-08-02	Complete final design for the installation of required piping and other required waste removal equipment	Jan. 2001
M-08-03	Submit tank farm closure plan for selected tank farm to Ecology for approval	Dec. 2003

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 6 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-09-00	Complete closure of all 149 single-shell tanks Closure and removal of required waste from the 149 single-shell tanks will be effected in accordance with the approved closure plan(s). As stated in the Hanford Defense Waste-Environmental Impact Statement Record of Decision, a supplemental EIS will be prepared prior to making any final decisions regarding disposal of single-shell tank waste. The final closure plan(s) will address the recommendations of the supplemental EIS.	June 2018
M-09-01	Complete preparation of supplemental EIS and issue draft for public review	June 2002
M-09-02	Submit closure plan to Ecology for approval	Dec. 2003
M-10-00	Complete analyses of at least two complete core samples from each single-shell tank Obtain and analyze a minimum of two core samples from each single-shell tank. Samples will be collected and analyzed to determine the characteristics of significant waste strata to support timely development of tank waste retrieval technology and to assist in preparation of single-shell tank closure plans and the supplemental EIS. Additional sampling may be determined to be necessary to ensure representative samples are obtained from each tank. Samples will be collected and analyzed in accordance with a single-shell tank waste analysis plan approved by Ecology. Data from this initial characterization may be adequate to identify those tanks whose waste will be retrieved. Additional sampling and analysis will be necessary to justify any decision to leave tank waste in place.	Sept. 1998
M-10-01	Submit draft waste sampling and analysis plan to National Academy of Sciences, Ecology, and EPA	March 1989
M-10-02	Submit waste sampling and analysis plan to Ecology for approval	May 1989

Table D-1. Major and Interim Milestones--Disposal of Tank Waste.
(sheet 7 of 7)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-10-03	Obtain 15 core samples from 2 tanks (reference sampling tanks)	Dec. 1989
M-10-04	Obtain 12 core samples from 6 tanks	Nov. 1990
M-10-05	Obtain 20 core samples from 10 tanks	Oct. 1991
M-10-06	Obtain 20 core samples from 10 tanks	Sept. 1992
M-10-07	Obtain 22 core samples from 11 tanks	Sept. 1993
M-10-08	Obtain 44 core samples from 22 tanks	Sept. 1994
M-10-09	Obtain 44 core samples from 22 tanks	Sept. 1995
M-10-10	Obtain 44 core samples from 22 tanks	Sept. 1996
M-10-11	Obtain 44 core samples from 22 tanks	Sept. 1997
M-10-12	Obtain 44 core samples from 22 tanks	Sept. 1998
M-11-00	Complete construction and initiate operations of expanded laboratory hot cells for high- level radioactive mixed waste The expanded laboratory hot cells will provide analytical capabilities for waste analyses from single-shell tanks, double-shell tanks, and B Plant pretreatment processing. The hot cells will provide at least double the sample through- put capacity from that which is currently available at the 222-S Laboratory.	June 1994
M-11-01	Complete conceptual design for hot cell expansion	June 1989
M-11-02	Complete definitive design for hot cell expansion	March 1992

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units.
(sheet 1 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-12-00	<p>Submit RI/FS or RFI/CMS work plans for 20 operable units</p> <p>Work plans for each of the first 20 operable units listed in Appendix C will be prepared and submitted to EPA and Ecology by April 1992. The work plans will meet the requirements of RCRA or CERCLA, depending upon whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D.</p>	April 1992
M-12-01	Submit 1100-EM-1 Operable Unit Work Plan (groundwater and source operable unit)	Jan. 1989
M-12-02	Submit 200-BP-1 Operable Unit Work Plan (groundwater and source operable unit)	Feb. 1989
M-12-03	Submit 300-FF-1 Operable Unit Work Plan (source operable unit)	March 1989
M-12-04	Submit 300-FF-5 Operable Unit Work Plan (groundwater operable unit)	Sept. 1989
M-12-05 ¹	Submit 100-HR-1 Operable Unit Work Plan (source operable unit).	June 1989
M-12-06 ¹	Submit 100-HR-3 Operable Unit Work Plan (groundwater operable unit).	June 1989
M-12-07 ¹	Submit 100-DR-1 Operable Unit Work Plan (source operable unit).	Oct. 1989
M-12-08	Submit 100-BC-1 Operable Unit Work Plan (source operable unit)	June 1990

¹Work plan will be prepared in accordance with CERCLA guidance but will reflect RCRA terminology.

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units.
(sheet 2 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-12-09	Submit 100-BC-5 Operable Unit Work Plan (groundwater operable unit)	June 1990
M-12-10	Submit 100-KR-1 Operable Unit Work Plan (source operable unit)	Aug. 1990
M-12-11	Submit 100-KR-4 Operable Unit Work Plan (groundwater operable unit)	Aug. 1990
M-12-12	Submit 100-NR-1 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
M-12-13	Submit 100-FR-1 Operable Unit Work Plan (source and groundwater operable unit)	April 1991
M-12-14	Submit 100-NR-3 Operable Unit Work Plan (source and groundwater operable unit)	Dec. 1990
M-12-15	Submit 200-UP-2 Operable Unit Work Plan (source and groundwater operable unit)	June 1991
M-12-16	Submit 100-BC-2 Operable Unit Work Plan (source and groundwater operable unit)	Aug. 1991
M-12-17	Submit 200-BP-5 Operable Unit Work Plan (source and groundwater operable unit)	Oct. 1991
M-12-18	Submit 100-DR-2 Operable Unit Work Plan (source operable unit)	Dec. 1991
M-12-19	Submit 200-ZP-1 Operable Unit Work Plan (source and groundwater operable unit)	Feb. 1992
M-12-20	Submit 100-KR-2 Operable Unit Work Plan (source and groundwater operable unit)	April 1992

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units.
(sheet 3 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-13-00	<p>Submit six RI/FS or RFI/CMS work plans per year</p> <p>Submit a minimum of six RI/FS or RFI/CMS work plans per calendar year until work plans have been submitted for all operable units. The work plans will meet the requirements of RCRA or CERCLA depending on whether the operable unit has been assigned to RCRA Past Practices or to CERCLA (see Appendix C). DOE will implement each RI/FS or RFI/CMS upon lead regulatory agency approval and in accordance with the schedule in Appendix D.</p> <p>Interim milestones will be developed during each annual update of the work schedules in Appendix D. Milestones M-12-19 and M-12-20 will apply towards the six work plans scheduled for CY 1992.</p>	<p>Annually Beginning CY 1992</p>
M-14-00	<p>Complete construction and initiate operations of a low-level mixed waste laboratory</p> <p>The low-level mixed waste laboratory will provide analytical capabilities to analyze hazardous waste samples, those containing low levels of radioactivity as well as those that are strictly hazardous. The new laboratory will be sized in accordance with the design specifications of the project Conceptual Design Report.</p>	<p>Jan. 1992</p>
M-14-01	<p>Complete definitive design for a low-level mixed waste laboratory</p>	<p>Sept. 1990</p>

Table D-2. Major and Interim Milestones--Cleanup of Past-Practice Units.
(sheet 4 of 4)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-15-00	Complete the RI/FS (or RFI/CMS) process for all operable units All operable units (including groundwater operable units) will have been investigated through the RI/FS (or RFI/CMS) process, and the public comment period will be completed. Specific remedial actions for each operable unit will be selected.	Sept. 2005
M-15-01A	Submit draft 1100-EM-1 Feasibility Study Phase 1 and 2 report to EPA and Ecology for review	Dec. 1990
M-15-01B	Submit draft 1100-EM-1 Remedial Investigation Phase 1 and 2 report to EPA and Ecology for review	Nov. 1991
M-15-01C	Submit draft 1100-EM-1 Feasibility Study Phase 3 report to EPA and Ecology for review.	Apr. 1992
M-16-00	Complete the remedial actions for all operable units Remedial actions will be completed for each operable unit in accordance with the schedules developed as part of the remedial design (RD)/remedial action (RA) or corrective measure implementation (CMI) work plan.	Sept. 2018

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 1 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-17-00	<p>Complete liquid effluent treatment facilities/ upgrades for all Phase I streams</p> <p>Hanford currently has 19 Phase I liquid effluent streams being discharged to cribs, ponds, or ditches. Phase I streams are defined in the "Annual Status Report of the Plan and Schedule to Discontinue Disposal of Contaminated Liquids into the Soil Column at the Hanford Site," September 1988. Some of the cribs, ponds, or ditches are RCRA waste disposal units. These, along with others, are located in areas requiring inactive site investigations/ remedial actions. Liquid effluent streams are classified as Phase I streams based upon radionuclide/chemical content, regulatory requirements relative to the waste disposal unit, chemical spill potential, and waste disposal unit life expectancy.</p> <p>Each of the 19 Phase I effluent streams will be either treated or eliminated. Specific completion dates for each waste stream are identified in the Appendix D work schedules. Completion dates for eight specific waste stream treatment or management systems are interim (enforceable) milestones. The remaining completion dates are target dates (not enforceable) which are included as such in order to allow management flexibility. Target date projects under M-17-00 shall be completed no later than June 1995.</p>	June 1995
M-17-01	Complete B Pond by-pass system installation	Oct. 1990
M-17-02	Complete PUREX ammonia scrubber distillate treatment system	Jan. 1995
M-17-03	Complete PUREX demineralizer regeneration neutralization system upgrades	Sept. 1989

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 2 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-17-04	Complete B Plant chemical sewer upgrades	July 1992
M-17-05	Select 300 Area Process Trench effluent treatment option and establish schedule for implementing treatment and ceasing liquid discharges	March 1990
M-17-06	Cease all discharges to 300 Area process trenches	Dec. 1991
M-17-07	Complete secondary waste treatment system	June 1995
M-17-08	Complete 200 Area treated effluent system	June 1995
M-17-09	Complete 300 Area treated effluent system	June 1995
M-17-10	Cease all liquid discharges to hazardous land disposal units unless such units have been clean closed in accordance with RCRA	June 1995
M-18-00	Complete Waste Receiving and Processing (WRAP) Module I construction and initiate operations The WRAP Module I is required to sort and repackage wastes that are planned to be retrieved from retrievable storage units. Much of the waste currently stored in the retrievable storage units is anticipated to be radioactive mixed waste. Some of the radioactive waste stored on the pads is known to contain extremely hazardous waste as well as federally land-banned waste.	Sept. 1996
M-18-01	Complete construction of WRAP Module I	Sept. 1995

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 3 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-19-00	Complete WRAP Module II construction and initiate operations The WRAP Module II will include waste treatment capabilities to minimize land disposal of low-level radioactive waste and radioactive mixed waste. The September 1999 completion date of WRAP Module II is critical to achieving compliance for the management of wastes that are prohibited from land disposal and extended storage.	Sept. 1999
M-19-01	Complete construction of WRAP Module II	Sept. 1998
M-20-00	Submit Part B permit applications or closure plans for all RCRA TSD units All Part B permit applications, closure plans, and post-closure permit applications will be submitted to Ecology and the EPA by May 1996. Individual unit submittals will occur as shown in the Appendix D work schedules. Scheduled submittal dates shall be enforceable as interim milestones.	May 1996
M-20-01	Submit HWVP (TS-2-5) Part B to Ecology and EPA	July 1989
M-20-02	Submit 616 Storage Facility (S-6-1) Part B to Ecology and EPA	July 1989
M-20-03	Submit Single-Shell Tank System (S-2-4) Closure/Corrective Action Work Plan to Ecology and EPA	Sept. 1989
M-20-04	Submit 2101-M Pond (D-2-1) Closure Plan to Ecology and EPA	Sept. 1989
M-20-05	Submit Central Waste Complex - RMW Storage (B-2-4) Part B to Ecology and EPA	Oct. 1991
M-20-06	Submit Low-Level Burial Grounds (D-2-9) Part B to Ecology and EPA	Dec. 1989
M-20-07	Submit Nonradioactive Dangerous Waste Landfill (D-6-1) Closure/Post-Closure Plan to Ecology and EPA	Aug. 1990

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 4 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-20-08	Submit 305-B Storage Facility (S-3-2) Part B to Ecology and EPA	Jan. 1990
M-20-09	Submit 216-B-3 Pond (D-2-5) Closure/Post-Closure Plan to Ecology and EPA	March 1990
M-20-10	Submit 300 Area Waste Acid System (TS-3-1) Closure Plan to Ecology and EPA (includes 311 Tanks)	June 1990
M-20-11	Submit PUREX Tunnels (S-2-1) Part B to Ecology and EPA	Sept. 1990
M-20-12	Submit Central Waste Complex - (TS-2-4) WRAP Part B to Ecology and EPA	Oct. 1991
M-20-13	Submit 303-K Storage Area (S-3-1) Closure Plan to Ecology and EPA	April 1990
M-20-14	Submit 4843 Sodium Storage Facility (S-4-1) Part B to Ecology and EPA	March 1991
M-20-15	Submit 304 Concretion Facility (TS-3-2) Closure Plan to Ecology and EPA	April 1990
M-20-16	Submit Double-Shell Tanks (S-2-3) Part B to Ecology and EPA	June 1991
M-20-17	Submit 242-A Evaporator (T-2-6) Part B to Ecology and EPA	June 1991
M-20-18	Submit 3718-F Alkali Metal Treatment and Storage Facility (TS-3-3) Part B to Ecology and EPA	June 1991
M-20-19	Submit Simulated High-Level Slurry Treatment/Storage (TS-3-4) Closure Plan to Ecology and EPA	Sept. 1989
M-20-20	Submit 325 Waste Treatment Facility (T-3-4) Part B to Ecology and EPA	August 1991
M-20-21	Submit B Plant (TS-2-3) Part B to Ecology and EPA	Oct. 1991

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 5 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-20-22	Submit 222-S Laboratory (TS-2-1) Part B to Ecology and EPA	Dec. 1991
M-20-23	Submit TRUSAF Storage (S-2-2) Part B to Ecology and EPA	June 1992
M-20-24	Submit PUREX (TS-2-6) Part B to Ecology and EPA	Sept. 1992
M-20-25	Submit Hanford Patrol Academy Demolition Sites (T-11-1) Part B to Ecology and EPA	Nov. 1992
M-20-26	Submit Ashpit Demolition Site (T-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-27	Submit Hexone Storage and Treatment (TS-2-2) Closure Plan to Ecology and EPA	Nov. 1992
M-20-28	Submit E-8 Borrow Pit Demolition Site (T-2-1) Closure Plan to Ecology and EPA	Nov. 1992
M-20-29	Submit MASF (T-4-1) Part B to Ecology and EPA	Nov. 1993
M-20-30	Submit 303-M Oxide Facility (T-3-2) Part B to Ecology and EPA	Oct. 1992
M-20-31	Submit 1301-N/1325-N (D-1-2) Closure Plan/Post-Closure Plan to Ecology and EPA	May 1994
M-20-32	Submit 300 Area Process Trenches (D-3-1) Closure/Post-Closure Plan to Ecology and EPA	Sept. 1992
M-20-33	Submit 216-A-10 Crib (D-2-2) Closure/Post-Closure Plan to Ecology and EPA	March 1996
M-20-34	Submit 216-A-36B Crib (D-2-4) Closure/Post-Closure Plan to Ecology and EPA	March 1996
M-20-35	Submit 1324-N/1324-NA (T-1-2) Closure Plan to Ecology and EPA	Sept. 1994
M-20-36	Submit 216-A-29 Ditch(D-2-3) Closure/Post-Closure Plan to Ecology and EPA	May 1996

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 6 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-20-37	Submit 216-U-12 Crib (D-2-8) Closure Plan/ Post-Closure Plan to Ecology and EPA	Nov. 1994
M-20-38	Submit 216-B-63 Trench (D-2-6) Closure Plan to Ecology and EPA	May 1996
M-20-39	Submit 216-S-10 Pond and Ditch (D-2-7) Closure Plan to Ecology and EPA	May 1996
M-20-40	Submit 100-D Ponds (D-1-1) Closure Plan to Ecology and EPA	Feb. 1993
M-20-41	Submit 105-DR (T-1-1) Closure Plan to Ecology and EPA	Sept. 1990
M-20-42	Submit Thermal Treatment (T-X-3) Part B to Ecology and EPA	Dec. 1993
M-20-43	Submit Physical/Chemical Treatment (T-X-2) Part B to Ecology and EPA	Dec. 1994
M-20-44	Submit Biological Treatment (T-X-1) Part B to Ecology and EPA	Dec. 1995
M-20-45	Submit petitions to Ecology to withdraw Part A permit applications for 332 Storage Facility, 1706-KE Treatment Facility, 2727-WA Sodium Storage Facility, 221-T Alkali Metal Treatment and Storage Facility, and 324 Sodium Treatment Pilot Plant	June 1989
M-20-46	Submit petitions to Ecology to manage the following facilities as "treatment by generator" facilities: T Plant Treatment Tank, 222-S Treatment Tank, PUREX Treatment Tanks, 204-AR Waste Unloading Facility, and 241-Z Treatment Tank	June 1989
M-21-00	Submit RCRA interim status compliance assessments for all TSD units	April 1989
	RCRA operational units and those undergoing closure will be assessed for compliance with RCRA and state Dangerous Waste interim status requirements. Part A applications which will be withdrawn or units not yet constructed are not included in these assessments. Copies of the assessment documentation will be provided	

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 7 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	to Ecology within 30 days of assessment completion. The last assessment will be completed by March 31, 1989. Facilities to be assessed by March 31, 1989, include tank farms, low-level burial grounds, Plutonium Finishing Plant, PUREX, B Plant, N Reactor, 100 K Area Fuel Storage, Fast Flux Test Facility, T Plant, 222-S, 616 Storage Facility, Central Waste Complex, Nonradioactive Dangerous Waste Landfill, 300 Area Fuel Fabrication Facilities, Patrol demolition site, 4843 Sodium Storage Facility, 3718-F Alkali Metal Treatment and Storage, single-shell tanks, hexone tanks, 183-H, 2727-S, 300 Area Solvent Evaporator, 105-DR Sodium Fire Facility, E-8 Borrow Pit, 200 West Ash Pit, 216-U-12 Crib, 2101-M Pond, 216-S-10 Ditch and Pond, and 100-D Ponds.	
M-22-00	Establish enforceable compliance action schedules	Dec. 1989
	Schedules will be developed for review and approval by Ecology and the EPA for any actions identified in the interim status compliance assessments that are necessary to ensure compliance with interim status requirements. Specific compliance actions will become enforceable interim milestones under M-23-00.	
M-22-01	Submit petitions or requests for variance from interim status standards to Ecology and EPA	Sept. 1989

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 8 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-23-00	Complete Interim Status Corrective Actions Complete actions identified in interim status compliance assessments (M-21-00) excluding groundwater monitoring and closure plans. Petitions for modification of inspection and labeling requirements were submitted to Ecology in September 1989 (M-21-01). Pending resolution, inspections and labeling will be performed per existing operations procedures.	Sept.1991
M-23-01	Resubmit Treatment by Generator Requests for: T-Plant, 222-S, PUREX and 204-AR.	June 1990
M-23-02	Resubmit Request for Part A Permit Application withdrawal for the following facilities: 221-T Containment System Test Facility and the 324 Sodium Removal Pilot Plant.	Jan. 1990
M-23-03	Complete Waste Analysis Plans for Double Shell Tanks, 242-A Evaporator, and B Plant active TSD units. Waste Analysis Plans will be upgraded when additional laboratory capabilities are available pursuant to Milestones M-11-00 and M-14-00.	Dec. 1990
M-23-04	Complete Waste Analysis Plans for 4843 Storage Facility and Single Shell Tanks.	June 1990
M-23-05	Complete Contingency Plans for Low-Level Burial Grounds, 4843 Storage Facility, Central Waste Complex, T-Plant, TRUSAF, and 616.	June 1990
M-23-06	Complete Contingency Plans for Single-Shell Tanks, Double-Shell Tanks and 242-A Evaporator.	Oct. 1990
M-23-07	Complete Interim Status Corrective Actions for 222-S Storage Pad.	March 1990
M-23-08	Complete Interim Status Corrective Actions for 4843 Storage Facility.	June 1990

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 9 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-23-09	Notify Ecology of Decision Operating Status of 3718-F Alkali Metal Treatment Facility.	Sept. 1990
M-23-10	If Operational, Complete Interim Status Corrective Actions for 3718-F.	Sept. 1991
M-23-11	Complete Interim Status Corrective Actions for Single Shell Tanks.	Dec. 1990
M-23-12	Complete Interim Status Corrective Actions for Double Shell Tanks.	Dec. 1990
M-23-13	Complete Interim Status Corrective Actions for 242-A Evaporator.	Dec. 1990
M-23-14	Complete Interim Status Corrective Actions for Low-Level Burial Grounds.	Jan. 1991
M-23-15	Complete Interim Status Corrective Actions for TRUSAF (224-T).	June 1990
M-23-16	Complete Interim Status Corrective Actions for 616 facility.	June 1990
M-23-17	Complete Interim Status Corrective Actions for Central Waste Complex.	June 1990
M-23-18	Complete Interim Status Corrective Actions for B-Plant.	Sept. 1991
M-23-19	Complete All B-Plant Cell 4 Corrective Actions.	Dec. 1990
M-23-20	Complete Interim Status Corrective Actions for T-Plant.	Jan. 1991
M-24-00	Install RCRA groundwater monitoring wells at the rate of 29 in CY 1989, 30 in CY 1990, and 50 per year thereafter until all land disposal units and single-shell tanks are determined to have RCRA compliant monitoring systems DOE will install groundwater monitoring wells around RCRA land disposal units and the single-shell tanks at the rate described above until Ecology determines that all such groundwater monitoring systems meet the requirements of WAC 173-303-645.	Annually Beginning CY 1989

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 10 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
	Installation of groundwater wells shall mean that wells have been drilled, adequately sealed, and screened over no more than 15 feet of the aquifer unless otherwise approved by Ecology, that all pumps and associated sampling equipment have been installed, and that such wells have been developed sufficiently to provide satisfactory samples for all parameters to be analyzed.	
	Specific units to receive groundwater wells and the number of wells to be installed at each unit will be identified in Appendix D in two-year intervals (i.e., CY 1989 and CY 1990 now, CY 1990 and CY 1991 at the next annual update, etc.). Such schedules will be enforceable as interim milestones.	
M-24-01	Install 10 additional wells around the Low-Level Burial Grounds for a total of 45 RCRA groundwater wells	Dec. 1989
M-24-02	Install 5 additional wells around B Pond for a total of 9 RCRA monitoring wells	Dec. 1989
M-24-03	Install 12 wells around the SSTs for a total of 12 RCRA monitoring wells	Dec. 1989
M-24-04	Install 2 additional wells around the grout vault area for a total of 7 RCRA monitoring wells	Dec. 1989
M-24-05	Install 1 additional well around the Grout Vault Area for a total of 8 RCRA monitoring wells	Dec. 1990
M-24-06	Install 6 additional wells around the Low-Level Burial Grounds for a total of 51 RCRA monitoring wells	Dec. 1990
M-24-07	Install 11 additional wells around the SSTs for a total of 23 RCRA monitoring wells	Dec. 1990
M-24-08	Install 4 wells around the B-63 Trench for a total of 4 RCRA monitoring wells	Dec. 1990

Table D-3. Major and Interim Milestones--Permitting and Closures of TSD Units. (sheet 11 of 11)

<u>Number</u>	<u>Milestone</u>	<u>Due Date</u>
M-24-09	Install 3 wells around the S-10 Ditch and Pond for a total of 3 RCRA monitoring wells	Dec. 1990
M-24-10	Install 4 wells around the U-12 Crib for a total of 4 RCRA monitoring wells	Dec. 1990
M-24-11	Install 1 additional well around B Pond for a total of 11 RCRA monitoring wells	Dec. 1990
M-24-12	Install 18 additional RCRA wells around low-level burial grounds (69 total)	Dec. 1991
M-24-13	Install 3 RCRA wells around 216-S10-Pond	Dec. 1991
M-24-14	Install 4 additional RCRA wells around the 100-D Ponds	Dec. 1991
M-24-15	Install 10 additional RCRA wells around the SSTs (33 total)	Dec. 1991
M-24-16	Install 7 additional RCRA wells around the B-Pond (17 total)	Dec. 1991
M-24-17	Install 4 additional RCRA wells around the 1324-N/NA Ponds	Dec. 1991
M-24-18	Install 4 additional RCRA wells around the 216-A-29 ditch	Dec. 1991
M-25-00	Provide annual reports of studies/efforts that are in progress to identify alternatives to land disposal of radioactive mixed wastes	Annually Beginning March 1990
	The annual reports will provide information regarding actions taken to minimize waste generation, recycle/reclaim wastes, or treat wastes.	
	No interim milestones to be identified; each annual report is tracked as a major milestone.	

Appendix E

Key Individuals

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